

1903

W. H. Tracy
6310
AMERICAN BRANCHING ASTER



THE PIONEER
SEED HOUSE
OF
CANADA

LIBRARY
U. S. Department of Agriculture
Washington, D. C.



LARGE VICTORIA ASTER

GIANT COMET ASTER

EMPIRE
COLLECTION
OF ASTERS
6 Varieties
25¢

JOHN A. BRUCE & Co.,
Seed Merchants, HAMILTON, CANADA..
COR KING & McNAUL STS.



The Pioneer Seed House of Canada

ESTABLISHED OVER HALF
A CENTURY.

1850-1903.

DISCOUNTS ON SEEDS IN PACKETS.

Those who remit \$1.00 for Seeds in Packets may select to the value of \$1.25

"	"	2.00	"	"	"	"	2.50
"	"	3.00	"	"	"	"	3.75
"	"	4.00	"	"	"	"	5.00
"	"	5.00	"	"	"	"	6.25

These Discounts apply to Vegetable and Flower Seeds in Packets only, and only when remittance accompany the order. Seeds offered in Special Collections are not subject to discounts.

Seeds are frequently offered in packets at lower prices than our Catalogue quotations; this is done by reducing the size of the packet. Where seeds are not sold by weight we always give full sized packets.

SEEDS IN COLLECTIONS.

No. 1. Vegetable. 1 pkt. each Beet, Carrot, Lettuce, Water Melon, Onion, Parsnip, Radish and Turnip—our selection. Retail value 40c., **for 25c., postpaid.**

No. 2. Vegetable. 1 pkt. each Beans, Beet, Cabbage, Carrot, Corn, Cucumber, Lettuce, Musk Melon, Water Melon, Onion, Parsnip, Peas, Radish, Spinage, Squash, Tomato and Turnip—our selection. Retail value 80c. **for 50c., postpaid.**

No. 3. Vegetable 1 pkt. each Beet, Cabbage, Carrot, Celery, Cress, Cucumber, Lettuce, Musk Melon, Water Melon, Onion, Parsley, Parsnip, Pumpkin, Radish, Salsify, Spinage, Squash, Tomato, Turnip, Sage and ½ each Beans, Corn and Peas—our selection. Retail value \$1.35, **for 75c., postpaid.**

No. 4. Vegetable. 1 pkt. each Beet, Cabbage, Carrot, Cauliflower, Celery, Cress, Cucumber, Lettuce, Musk Melon, Water Melon, Onion, Parsley, Parsnip, Pumpkin, Radish, Salsify, Spinage, Squash, Tomato, Turnip, Savory, Sage, and 1 pt. each Beans, Corn and Peas—our selection. Retail value \$2.00, **for \$1.00, postpaid.**

No. 5. Root Seeds. 1 pkt. each, 3 best varieties Sugar Beet, 3 best varieties Carrot, 3 best varieties Mangold and 6 best varieties Turnips—our selection. Retail value 75c., **for 40c., postpaid.**

FOR FLORAL COLLECTIONS SEE PAGE 38.

None of the above collections can be changed in their make up. Full sized packets are used in all cases. In case Nos. 3 or 4 were ordered to go to the States or Newfoundland, there would be an extra charge of 20c. and 35c. respectively to cover extra postage. Remittance must accompany each order.

JAPANESE FERN BALLS

Will grow and thrive under the most adverse conditions.

This beautiful novelty is an importation from Japan and is certainly the finest addition to the Fernery yet introduced. The Ball is composed of the Japanese Island Fern Roots and Sphagnum Moss, and so constructed as to send out leaves of beautiful emerald green from every point. They are quite hardy, grow rapidly and make a handsome ornament for the home, conservatory or greenhouse.

Directions for Starting.—Place ball in water for fifteen minutes and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. To use in fern dish, cut ball in halves, placing flat side down, thus getting two dishes of beautiful ferns. The Fern ball may be allowed to dry up at any time and be set away, and started again by watering same as before. These arrive about the middle of December, and grow much faster if procured and started immediately on



their arrival.

Dormant Balls, about 8 inches diameter, 40c. each; postpaid 50c. each.

" " " 5 " " 30c. " " 35c. "

Established Over 50 Years.

Seeds



JOHN A. BRUCE & CO.,

SEED MERCHANTS,

HAMILTON, CANADA.

 See Page 1 of Catalogue for full Instructions to Purchasers 

Make all Money Orders, Drafts, Etc., payable to John A. Bruce & Co.

ESTABLISHED OVER 50 YEARS.

ORDER SHEET.

* See Page 1 of Catalogue for full
Instructions to Purchasers *

JOHN A. BRUCE & Co., HAMILTON, ONT.

FORWARD TO

Name _____

Post Office _____

Express Office _____

Province _____

Please write NAME and ADDRESS distinctly and in full.

AMOUNT ENCLOSED:

P. O. Order, \$ _____
or Postal Note

Express Order \$ _____

Draft, - \$ _____

Cash, - - \$ _____

Stamps, - \$ _____

Total, \$ _____

Date, _____ 1903

RESERVED SPACE.

DO NOT WRITE HERE.

No. of Pkgs. _____

Sent by _____

Date Sent _____

Put up by _____

Postage _____

Advised by _____

Conditions of Sale.—John A. Bruce & Co. take every precaution to supply reliable Seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

All Seeds forwarded by mail are sent free of charge at Catalogue prices, excepting Beans, Corn, Mushroom Spawn, Onion Setts, Potatoes, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Clover, Grass, Tree, Hedge and Fruit Seeds; when such are to be mailed, postage must be added at the rate of 5 cents per pound or pint, within the Dominion of Canada, and 20 cents per pound or pint to Newfoundland and the United States.

Peck.	Quart.	Pint.	Pound.	Ounce.	Packet.
-------	--------	-------	--------	--------	---------

NAME OF SEEDS WANTED.

Price.

Every Customer ordering from us, who will send the names of neighbors or friends having gardens and who have not been using our Seeds will receive a Packet of some useful Vegetable or Flower Seed for their kindness.

JOHN A. BRUCE & CO.

Exporters of Clover and Grass Seeds.

SEED GROWERS AND MERCHANTS

HAMILTON, CANADA, Jan. 1st, 1903.

IN presenting the FIFTY-SECOND ANNUAL EDITION OF OUR ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, of Garden Implements and Agricultural and Horticultural Sundries for 1903, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business, fifty-three years ago; and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage.

Our Catalogue contains nearly everything of value to those engaged in Agricultural and Horticultural pursuits. New introductions of Flowers, Vegetables and Field Roots are usually offered to the public, often with descriptive matter differing widely from the reality, and usually outlined by illustrations of an extravagant character; we have endeavored in our publications, as far as possible, to protect the Vegetable Kingdom from such caricatures. We invariably make ourselves acquainted with the value of what are termed novelties before offering them, and when this cannot be done, we give the raiser's description only; we make this reference in the interest of those who have not been using our seeds, and who may infer from the modest illustrations in our Catalogue that the product must necessarily be of the same dimensions. One trial will remove any misapprehension of this nature, and *prove that in quality our stocks of seeds for the Farm, the Garden and Greenhouse will compare favorably with the best offered.*

The past season has been one of erratic weather conditions, both in Europe and on this Continent; the low temperature and excess of moisture has kept the seed grower in a state of speculative uncertainty, and caused him much mental worry, in which the seed dealer participated owing to the fact that the stocks carried over from the previous year were very limited.

While seed crops generally have produced better results than were at one time anticipated, we have unfortunately to record a very marked shortage of Garden Beans, Sweet Corn and Peas; and an almost entire failure of Cucumbers, Melons and Squash. Some of the seeds we name are in such light supply, it will be impossible to execute all orders in full as stocks cannot be obtained, it is therefore important to remember that those who order early will fare the best. The general trade of Canada during the past year has been of a very satisfactory character, and the industrial conditions with a few exceptions have given evidence of increased activity; with work plentiful and the full dinner pail much in evidence there are no signs of discontent visible; and indications point to the coming year as one of even more active operations, for which the Farmer and the Gardener should make timely provision by extending their means of production, enabling them to take advantage of the increasing purchasing power of the population we have, which will be greatly swelled by the numbers who are surely coming to share our prosperity.

SUGGESTIONS TO CUSTOMERS

Owing to the extended nature of our business connections, and the heavy expense incurred in collecting accounts, we conduct our business on CASH PRINCIPLES; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount. Remittances can be made in current Bank Bills, Post Office Orders, Postal Notes, Express Orders or by Draft, and for amounts under one dollar in Postage Stamps. Post Office Orders, Postal Notes and Express Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are most certain to reach their destination. *Do not send cheques unless marked by Bank and made payable at par here.* The cost of Post Office Order, Postal Note, Express Order or Registering the letter, may be deducted from the remittance on orders amounting to two dollars and upwards. As the Seed season continues only for a few months in the year, there is, of course, a great pressure of business when sowing commences. Except in cases of extreme urgency, all orders will be executed in rotation as received. We will, therefore, feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this catalogue; and please remember to give your **Name, Post Office Address and Province, in full.** We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay of weeks in their execution, greatly to the inconvenience of the sender as well as our own.

Address all Correspondence and Make all Money Orders Payable to John A. Bruce & Co.

FREIGHT RATES AND MAILING CONDITIONS

For the information and convenience of our customers in Manitoba, the Northwest Territories and British Columbia, we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change we cannot guarantee them.

FREIGHT RATES FROM HAMILTON—Per 100 lbs.

To—	On Barley, Oats, Buckwheat, Peas and Wheat		On Clover, Timothy, Hungarian, Millet, Red Top, Etc.	
	All Rail	Lake and Rail	All Rail	Lake and Rail
Port Arthur	\$0 47	\$0 31	\$0 66	\$0 38
Winnipeg	0 84	0 76	1 16	0 98
Brandon	0 99	0 91	1 36	1 19
Regina	1 36	1 22	1 85	1 59
Calgary	1 68	1 54	2 29	2 03
Prince Albert	1 83	1 69	2 46	2 20
Edmonton	2 11	1 97	2 87	2 61
Vancouver, B. C.	1 65	1 59	1 65	1 58
Victoria, B. C.	1 65	1 59	1 65	1 58

The lowest freight charge is for quantities of 200 lbs. For any quantity under 200 lbs. the charge is the same as for 200 lbs.

Our postal arrangements enable us to forward Seeds, Bulbs and Plants to any Post Office in the Provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba, the Northwest Territories and British Columbia, at the rate of five cents per pound, and our careful system of packing will carry them with safety to the most distant point, giving purchasers in the remotest districts the opportunity of procuring reliable Seeds at reasonable prices when far removed from the source of supply.

Catalogues mailed free to any address on application.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations,
We are, your obedient servants,

JOHN A. BRUCE & CO.



Novelties and Specialties in Vegetables

Descriptions given are those of the Raisers.

CRIMSON GLOBE BEET

The root is not large, averaging about 3 inches in diameter, but is of very handsome shape, being quite round, with a clean, smooth surface and small tap-root.

There is no variety where richness of color in both top and root is so beautifully combined as in this sort, making it just as valuable for ornamental purposes as for table use. Its size is convenient for bunching, which, with its attractive top, will make a fine appearance for market use.

The flesh is fine grained, sweet and tender, and of a dark crimson color. The leaves are small with slender leaf-stalks, and as dark in color as Egyptian. It comes in at the same time as Eclipse. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{2}$ lb. 25c., lb. 75c.

PREMO SWEET CORN

The earliest sweet corn, combining all the merits of the leading early varieties but superior to them all in size, yield and quality.

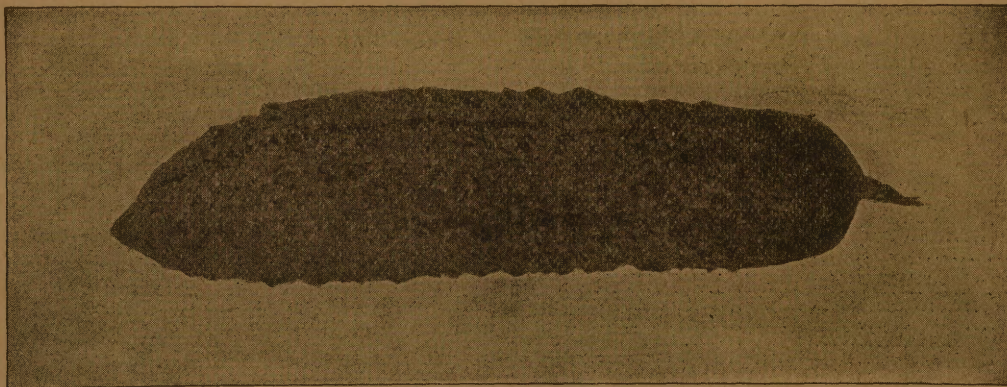
It will withstand light frosts; thus it can be planted early. The stalks are about 5 feet high and are very vigorous, bearing two well developed ears to stalk, and the ears measure 1 to 2 inches larger than Cory. In many trials year before last it was ready for eating from 8 to 9 weeks from day of planting. Last season being so unfavorable for corn no proper test could be made. Pkt. 10c., pt. 20c., qt. 35c., peck \$2.25; post-paid, 25c. pint; 45c. quart, to any Canadian address.

Extra Early Cabbage "Eureka"

THE EARLIEST FLAT-HEADED VARIETY.

Originated by a well-known Long Island grower. Eureka is a cross of Early Jersey Wakefield and Henderson's Succession, as early as the first, with the shape and style of the second, although not so large. It excels all other early-cabbage in solidity of head, being as hard and solid as the Danish Ball-head; suited also for a second early or summer where a medium sized head will answer.

We recommend all market growers to give it a trial. Pkt. 5c., oz. 50c., 2 oz. 90c., lb. \$1.60.



CUMBERLAND CUCUMBER

The best pickling cucumber ever produced. It is of the hardy, white spine type, is a rapid, strong and vigorous grower, and very prolific in fruit. The fruit differs from all other hardy sorts, in being thickly set with fine spines over the entire surface, excepting the extreme stem end, and during the whole period of growth from the time they first set until fully grown the form is exceptionally straight and symmetrical, thus being as fine a slicing variety as a pickling one. The flesh is firm but very crisp and tender at all stages. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{2}$ lb. 75c., lb. \$2.75.

Bruce's Selected Early Dwarf Erfurt Cauliflower

No matter under what name it is sold, there is no strain of Cauliflower which can excel this splendid variety, and growers who have once used it will have no other. (See page 10.) $\frac{1}{2}$ pkt. 15c., pkt. 25c., $\frac{1}{2}$ oz. \$1.40, 1 oz. \$2.50, 2 oz. \$4.50, $\frac{1}{4}$ lb. \$8.00.



Unsworth's Perfect Musk Melon.

Unsworth's Perfect Musk Melon

This fine variety is of local origin, and in this vicinity, where melons are grown on an extensive scale for shipment to other markets, it is the favorite of the planter as well as the consumer. It is a finely netted green flesh melon of the Hackensack type, and combines all the qualities necessary in a first-class market fruit; being early, productive, of exquisite flavor and handsome appearance. The melons on the field from which our stock of seed was saved, averaged seven pounds each in weight, and when exhibited for sale on a fruit stand, the purchaser requires no other evidence than their aroma to convince them that they are getting a perfect melon. It is very important to those who grow melons for sale, to get their fruit early on the market; and the system usually adopted by growers in this locality is to sow the seeds in hot beds about the 15th of May, and plant them in the open ground the beginning of June, and as the seeds are placed in sod, the roots are not disturbed when transplanting. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

BRUCE'S
SELECTED PARIS

Golden Yellow Celery

The finest strain of this grand celery and the favorite with all growers who know it. Our stock is from the same grower from whom we originally purchased this splendid variety. (See page 11.) Pkt. 10c., oz. 60c., 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Unrivalled Lettuce

This new variety is an improvement on the Big Boston, and produces a fine, large solid head. A splendid variety for forcing in cold frames, and also desirable for out-door planting. Pkt. 5c., oz. 30c., 2 oz. 50c.

Gradus Peas

This fine variety has now been well tested, and we recommend it highly. It is the earliest of all sweet wrinkled varieties excepting Thomas Laxton, and while ripening within a few days of our Extra Early Conqueror, its pods are as large and well-filled as Stratagem, with large peas of exquisite flavor. The vine has heavy stems with large, dark green leaves, and grows to the height of three feet; pods large, nearly round, and of a deep green color. Pkt. 10c., pt. 30c., qt. 50c., 2 qt. 90c., 4 qt. \$1.60, peck, \$3.00; postpaid, 35c pint, 60c quart, to any Canadian address.

Thomas Laxton Peas

The best first early large podded wrinkled pea yet introduced. It is as early as Bruce's Conqueror, and being a wrinkled variety, it is much sweeter, and a better pea in every way.

It was raised by crossing Gradus with a seedling of the "Earliest of All" type, and is an improvement on Gradus, being earlier, hardier and darker.

The pods are dark green and contain seven to eight peas of richest flavor; height is about three feet, and the haulm is dark green. Pkt. 10c., $\frac{1}{4}$ pt. 20c., pt. 35c., qt. 60c., 2 qts. \$1.00, 4 qts. \$1.80, peck \$3.50. Postpaid, 40c. pt.; 70c. qt., to any Canadian address.



Thomas Laxton Peas.

EARLIANA TOMATO

The earliest large Tomato in the world. It is not only remarkable for its earliness but for its large size, handsome shape, productiveness and beautiful red color. Its solidity and fine quality are unsurpassed by any of best medium and late sorts. The fruit contains but few seeds, about one fourth of that of other varieties, and for this reason the genuine seed can never be sold at a low price. Pkt. 10c., oz. 50c., 2 oz. 90c., $\frac{1}{2}$ lb. \$1.50.

Bruce's Dominion Day Tomato

Introduced by us in 1897. The most profitable Extra Early variety on the market, and a great favorite with all Tomato growers. (See page 25.) Pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{2}$ lb. \$1.00, lb. \$3.50.



Bruce's Niagara Tomato

The best main crop variety on the market; not as large as some others, but heaviest considering the size. It is very handsome, being of a brilliant red color, and it is perfectly smooth and very firm, in fact it is the best keeper and best shipping variety we have seen. The fruit in above photograph was picked 12 days before it was taken, and remained in good condition for several days afterwards, though not kept in cold storage or on ice. It ripens evenly, the vines are compact and vigorous, and they produce plentifully. We are confident it will be as great a favorite as our Dominion Day, the best first Early, which we also introduced. Pkt. 10c., oz. 40c., 2 oz. 70c., $\frac{1}{2}$ lb. \$1.25.

Success Tomato

Introduced 3 years ago it has met with great success in the States. A grand main crop variety, smooth, well formed and extremely deep from stem to blossom. It has great meatiness and few seeds. It is firm without being hard, and a splendid shipper on account of its long keeping qualities. It is a brilliant red color and a big crop. Pkt. 10c., oz. 40c., 2 oz. 70c., $\frac{1}{2}$ lb. \$1.25.

For Root Seed Novelties see pages 28 to 32.

For Flower Seed Novelties see pages 39 to 41.

BRUCE'S SELECTED VEGETABLE SEEDS

CONDITIONS OF SALE.—John A. Bruce & Co. take every precaution to supply reliable seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

SEEDS BY MAIL.—All Seeds forwarded by mail are sent free of charge at Catalogue prices except Beans, Corn, Mushroom Spawn, Onion Sets, Potatoes, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Clover, Grass, Tree, Hedge and Fruit Seeds; when such are to be mailed, postage must be added at the rate of 5 cents per pound or pint, within the Dominion of Canada, and 20 cents per pound or pint to Newfoundland and the United States.

ARTICHOKE. *Artichaut, Fr. Artischoke, Gr.*

Sow in April or May in drills two inches deep; thin the plants to four inches, and when strong, transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection.

Green Globe Pkt. 5c., oz. 40c.

Jerusalem Artichoke. Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. Per bushel \$1.50, peck 50c. here, 1 lb. 15c., 5 lbs. 60c., per mail (postage paid).

ASPARAGUS. *Asperge, Fr. Spargel, Gr.*

(One ounce will sow a row of thirty feet).

Sow early in spring, in drills one foot apart. To secure strong, healthy, plants, thin out the seedlings to three or four inches in the rows. The one-year old plants should be set out in the spring, in a rich, sandy loam, dug eighteen inches deep, into which has been worked plenty of well-rotted manure. Plant in rows fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all round, and carefully shake the soil in amongst the rows and cover to the depth of four inches. Before winter sets in cover the beds with six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely, as the roots need the benefit of some foliage during the year.

Columbian Mammoth White. This fine new variety furnishes large white shoots, which stay white as long as fit for use without earthing up or any other artificial blanching. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Conover's Colossal, or Early Purple Argenteuil. Large and productive, cultivated extensively for the Paris and other continental markets. Highly recommended. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Palmetto. An early variety of large size, very productive and of fine quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 55c.



ASPARAGUS ROOTS. *Two year old.*

Palmetto—Per 100, \$1.00. **Conover's Colossal**—Per 100, \$1.00.

When Asparagus Roots are to be sent by mail, add postage at the rate of 30c. per 100. Special price per 1,000 on application.



Refugee Wax Beans.

BEANS—Dwarf or Bush. *Haricot, Fr. Bohne, Gr.*

One pint will sow a row of 50 feet. The Dwarf or Bush varieties should be planted in rows, $2\frac{1}{2}$ feet apart, and 2 or 3 inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often, and keep the ground mellow and draw the earth up to the plants. Plant the pole or running varieties in hills 3 ft. apart, and in the hills place poles from 6 to 8 feet high.

Refugee Wax. Pods round, clear and transparent, and of handsome appearance. It is tender, very productive, free from rust and stands dry weather remarkably well. Pt. 20c., qt. 30c., peck \$1.80.

BEANS—Dwarf or Bush—Continued.**DWARF YELLOW PODDED SORTS.**

Golden Wax. The standard variety for general use; pods long broad and flat, very fleshy and of finest quality. Early and productive. Pt. 15c., qt. 25c., peck \$1.60.

Keeney's Rustless Golden Wax. Combines hardness and productiveness with fine quality. Pt. 15c., qt. 25c., peck \$1.60.

Valentine Wax. Extra Early. The pods are round, stringless and of the finest quality. It is remarkably free from rust and remains a long time before becoming tough. Pt. 20c., qt. 30c., peck \$1.80.

Flageolet Golden Wax. This variety produces larger and longer pods than any other of the Yellow Podded sorts. It is very productive, and for market purposes cannot be excelled. Pt. 15c., qt. 25c., peck \$1.60.

Black Wax or Butter. Pods transparent, waxy yellow, thick and very tender. Pt. 15c., qt. 25c., peck \$1.60.

Wardwell's Kidney Wax. Extra early, pods long and flat, remarkably free from rust. Pt. 20c., qt. 30c., peck \$1.80.

White Wax or Butter. Similar to the Black Wax, except in color, which is pure white. Pt. 20c., qt. 30c., peck \$1.80.

Detroit Wax. The hardiest and least liable to rust of all the butter beans, very productive. Pt. 15c., qt. 25c., peck \$1.60.



Wardwell's Kidney Wax Beans.

DWARF GREEN PODDED VARIETIES.

Valentine. Early, productive, tender, succulent and of excellent flavor. Pt. 15c., qt. 25c., peck \$1.50.

China. Very early, of fine quality. Pt. 15c., qt. 25c., peck \$1.40.

Yellow Six Weeks. Early and prolific, good for general crop. Pt. 15c., qt. 25c., peck \$1.40.

Mohawk. One of the hardiest and most productive. Pt. 15c., qt. 25c., peck \$1.40.

Refugee or One Thousand to One. Great bearer, late variety: best for pickling. Pt. 15c., qt. 25c., peck \$1.40.

DWARF WHITE BEANS.

Burpee's Bush Lima. An immense yielder; each bush bearing from fifty to two hundred pods, filled with beans which are identical in size and luscious in flavor to the well known large pole Limas. Pint 25c., quart 40c.

Bush Lima (Henderson's). Early, hardy and productive. Pint 25c., quart 40c.

Large White Kidney. Excellent as a shell bean. Pint 15c., quart 25c., peck \$1.40.



Flageolet Golden Wax Beans

ENGLISH DWARF BEANS.

The English Beans are very hardy, and should be planted as soon as possible after the ground is open; when in full bloom and the lower pod set, pinch off the tops. This will ensure the filling of the pods and hasten maturity. A strong heavy soil suits them best.

Taylor's Broad Windsor. The largest and best of the class for general use. Pt. 20c., qt. 30c.

POLE OR RUNNING.

One pint will plant about seventy-five hills.

Dutch White Caseknife. Very productive and fine flavor. Pint 20c., quart 35c.

Large Lima. The best of all the pole beans; plant when the ground is dry and warm. Pint 20c., quart 35c.

Scarlet Runners. Very prolific, mostly grown as an ornamental plant. Pt. 20c., qt. 35c.

Asparagus or Yard Long. Pods tender and sweet. Pint 50c.

For Field Varieties, See Agricultural Seeds.

Large packets of any variety of Beans 10c.; small packets 5c. each.

When Beans are to be sent by mail, add postage at the rate of 5c. per pint within the Dominion of Canada, and 20c. per pint to Newfoundland and the United States.

BRUSSELS SPROUTS. *Chou de Bruxelles, Fr. Sprossen Kohl, Gr.*

Sow seed in May; transplant and cultivate same as cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf. Extra fine. Pkt. 5c., oz. 20c., 2 oz., 35c., 1 lb. 60c., 1 lb. \$2.00.



Brussels Sprouts.



- Detroit Dark Red Turnip.** Small, upright tops, smooth roots, tender and sweet, grand canning variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.
- Dewing's Improved Blood Turnip.** Roots deep blood red, and of fine form and flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.
- Early Blood Turnip.** Very tender and good for early and late use. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.
- The Lentz.** A fine early variety of excellent quality; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.
- Early Bassano.** Very early, tender and juicy; light color. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

LONG VARIETIES FOR WINTER USE

- Bruce's Long Dark Blood.** Grows to a good size half out of the ground, with few side shoots; color dark red; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.
- Long Smooth Blood Red.** An excellent late variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Scotch Kale.

- Early Purple Cape.** One of the hardiest, and sure to head. Pkt. 5c., oz. 40c., 2 oz. 75c., $\frac{1}{4}$ lb. \$1.50.
- Walcheren.** Fine snow-white heads, very hardy. Pkt. 5c., oz. 40c., 2 oz. 75c., $\frac{1}{4}$ lb. \$1.50.

CABBAGE. Chou. Fr. Kohl, Gr.

(One ounce will sow a bed of four feet by ten and furnish about 2,000 plants.)

Sow the early varieties in hot beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage sow the seeds in beds in the open ground at the end of April, or early in May, and transplant into well manured ground. Early varieties should be planted in rows two feet apart, and fifteen inches in the rows; late varieties, two and a-half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

BEET

Betterave, Fr. Rothe Rube, Gr.

One ounce will sow a row of 40 feet; 5 lbs. for an acre.

Beets require a deep mellow soil; may be sown from the early spring to the commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills eighteen inches apart, and thin out the plants gradually to six inches from each other. Keep the soil well stirred throughout the season.

New Crimson Globe. For description see page 2. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Egyptian Dark Red Turnip. A standard extra early variety; very deep red, tender and fine flavor. The best for early market. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Crosby's Egyptian. A selection from the Egyptian, which, while it retains its earliness, has added thickness, giving it a more desirable shape; it is of fine quality, sweet and tender. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Eclipse. An extra early, turnip shaped variety, remarkable for its rapid growth. The roots grow smooth, round shape, intense red skin, flesh very fine grained and sweet. Pkt. 5c.,

oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Edmund's Early. Very uniform, with small tops of bronze red. It is round, smooth and of good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.



Bruce's Long Beet.

Dell's Improved Black Leaved. A fine dark-foliaged variety, the best for flower garden decorations; color deep purple. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Beck's Improved Sea Kale or Swiss Chard. The leaf stocks which are served up like sea kale, are by many considered as quite equal to that favorite esculent. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

For Sugar Beet See Agricultural Seeds.

BORECOLE OR KALE

Chou Vert, Fr. Gruner Kohl, Gr.

Sow early in spring cultivate same as cabbage. They supply a stock of excellent greens for spring and fall use.

Green Curled Scotch. Very hardy, and is improved by a moderate frost. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

BROCCOLI

Chou-Brocoli, Fr. Spargel Kohl, Gr.

Sow end of April in the open ground, then transplant about two feet apart in deep, rich ground. They produce heads similar to Cauliflower. When they begin to flower, break

CABBAGE—Continued.

Extra Early Eureka, New. For description of this excellent variety see Novelties, page 2. Pkt. 5c., oz. 50c., 2 oz. 90c., $\frac{1}{4}$ lb. \$1.60.

Early Spring, New. A valuable acquisition, being a round, flat-headed cabbage as early as Wakefield, and more productive. Very uniform in shape, it has very few, small outer leaves, thus allowing its being planted as close as any variety known, and producing the largest number of heads per acre. Stem short and heart very small, making almost entire head fit for use. The quality is extremely fine, vein small and not the least sign of coarseness. A great point in its favor is the fact that the heads harden at an early stage of growth, so that they are really fit for use before fully matured. Pkt. 5c., oz. 25c., 2 oz. 45c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Express. Extra early, excels in earliness all others; it has the shape and appearance of Early Etampes, but is smaller and eight to ten days earlier; has but a few outside leaves, and therefore may be planted very close and yield large crops. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Etampes. A fine extra early ox heart shape, of excellent quality. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Selected Jersey Wakefield Cabbage.

Charleston Wakefield. This variety is much larger than the preceding, but not quite so early. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Henderson's Early Summer. About ten days later than the early Wakefield, but fully double the size of that well-known variety; one of the best large early cabbage. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Succession. Equally good as a medium early, main crop, or for late use. The heads are very solid and of uniform size, averaging ten to twelve pounds in weight. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early Winningstadt. A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather; quality first-rate. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

Burpee's Surehead. A large and sure-heading main crop cabbage; a splendid keeper and shipper. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Burpee's All Head. The raiser says: The epitome of our claims for the All Head Cabbage is earliness, large size, productiveness, good quality, and its adaptation to the market gardeners' necessity for an all-the-year-round cabbage. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Succession Cabbage.

Selected Early Jersey Wakefield. To those who may not be familiar with this well-known variety, we would say that it is justly considered by market gardeners as one of the best and most reliable early cabbages in cultivation. The seed we offer is unequalled in quality. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

All Seasons or Vandergaw. The heads are of large size, round, flattened at the top, and are ready to market nearly as early as Henderson's Summer, while they are hard and solid, and keep well during the winter if planted late. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.

The Lupton. This fine, second early cabbage, though similar in appearance to "All Seasons," is in many respects superior to that popular variety. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Danish Ball-Head (or Hollander). The favorite cabbage of Denmark, where it is grown almost exclusively for winter cabbage. The heads are round, of good marketable size, hard and heavy, fine grained and long keepers. It will stand well through a dry season when other sorts fail; matures late. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Danish Ball-head Cabbage.

CABBAGE—Continued.

Autumn King or World Beater. Heads very large, broad, thick and solid; stalks short; foliage dark green with slight reddish tinge; splendid keeper. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

St. Denis Drumhead. A favorite winter variety, heads large and very solid. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Premium Flat Dutch. A popular variety, tender and of superior quality. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Marble Head Mammoth Drumhead. Heads have been exhibited which weighed from forty to sixty lbs. each. Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Bruce's Winter. This is a new and distinct extra large and hardy variety; it produces enormous, solid heads, attaining twenty inches in diameter, and weighing twenty to thirty pounds. It is very short stemmed, the head almost resting on the ground; is most productive and a good keeper. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Fottler's Improved Short Stemmed Brunswick. This, for a fall or winter cabbage is without a rival. The heads are large and solid, often weighing from twenty to thirty pounds: it is a sure header, splendid keeper, and of excellent quality. The most profitable variety to grow. Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.



Fottler's Brunswick Cabbage.

Filderkraut. Conical shaped heads, with very few side leaves. This variety is largely used in Germany in the manufacture of "Kraut." Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Nonsuch. Claimed to be the best second early "All Seasons" variety yet introduced, of the flat Dutch type, solid and of the finest quality. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

RED CABBAGE.

Large Red Drumhead. Produces very large solid heads, of fine, deep purple color; the best of the class. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

Red Dutch. A favorite sort for pickling; heads not so large as preceding. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

Mammoth Red Rock. This is the largest red variety known, heads averaging over ten pounds each, solid as a rock, and of a deep red color both inside and out. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Drumhead Savoy Cabbage.

SAVOY CABBAGE.

Large German Drumhead Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large, solid heads. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

Green Globe Savoy. Heads small but tender, and of fine quality. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

CAULIFLOWER.

Chou-Fleur, Fr. Blumen Kohl, Gr.

One ounce will furnish about 1,000 plants.

Considerable care is necessary to keep up a supply of Cauliflowers from July to the end of the year. For early crops sow the seed in a gentle hot-bed about the middle of March, and for late crops sow in the open ground in May and June, and transplant like winter cabbage in rows two and a half feet apart and two feet between each plant. A deep rich loam is the best to produce satisfactory crops of this favorite vegetable. In dry weather water frequently with liquid manure, and as they advance in growth hoe deep and draw the earth to the stems; as they begin to head, water frequently, and keep the soil open by deep hoeings, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost the plants which have not headed may be planted out in a cellar, where they can be aired in mild weather, when they will form fine heads.

Early Snowball. A well known extra early variety, heads pure white, large, solid and of extra quality; a sure header. $\frac{1}{2}$ pkt. 15c., pkt. 25c., $\frac{1}{2}$ oz. \$1.40, oz. \$2.50, 2 oz. \$4.50, $\frac{1}{4}$ lb. \$8.00.



Snowball Cauliflower.

CAULIFLOWER—Continued.



Bruce's Selected Erfurt.

Le Normand's Short Stemmed. A variety producing large, white, compact heads, from nine to twelve inches in diameter. Pkt. 5c., $\frac{1}{2}$ oz. 60c., oz. \$1., 2 oz. \$1.75., $\frac{1}{4}$ lb., \$3.

Autumn Giant. Heads pearly white, large, firm and compact. Pkt. 5c., $\frac{1}{2}$ oz. 30c., oz. 50c., 2 oz. 80c., $\frac{1}{4}$ lb. \$1.50.

CARROT. Carotte, Fr. Mohre, Gr.

One ounce will sow a row of 100 feet; 3 to 4 pounds for one acre. The Carrot is an important root for the farm or garden, and deserves extensive cultivation. It succeeds best in a light, sandy loam, richly manured and deeply dug. For early crops sow in rows eighteen inches apart, and thin out to six inches in the row. Hoe often between the rows and keep clear of weeds.

Early Scarlet French Horn. Stump rooted, color deep scarlet, and fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early Guerande Half-Long. Stump rooted, intermediate as to length, between the French Horn and S. Nantes, but much thicker, attaining at the neck from three to four inches in diameter. Highly recommended. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Danver's Half Long. A handsome stump rooted Carrot, of rich dark, orange color, it grows to a large size, is smooth and the flesh very close in texture, with little core. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Chantenay Half-Long Scarlet. Stump rooted; an excellent variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early Half-Long Scarlet Nantes. A large stump rooted variety; superior for table use. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Guerande Half-Long Carrot.

Bruce's Lawn Grass Seed
Postpaid 25c lb.

St. Valery. A fine selection of the "Intermediate" type, but earlier and far superior in quality and shape; beautifully formed roots with very small core. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

French Intermediate. A superior, half-long, pointed variety; good for garden and field culture. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early English Horn. Roots tapering; fine color. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Long Orange. Good for general crop, field or garden. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Long Scarlet Altringham. An excellent variety for field or garden. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

FOR FIELD VARIETIES SEE AGRICULTURAL SEEDS.

Bruce's Selected Early Dwarf Erfurt. It is now twenty-five years since we first introduced this famous strain of Erfurt Cauliflower, and year after year it has become more popular, until leading market gardeners in every section of the Dominion now grow it entirely, having discarded all the older varieties, as they found our strain of Erfurt to be the surest heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit the plants may be set out twenty to twenty-two inches each way, so that from twelve to fourteen thousand can be planted on an acre. For pickling, it is the standard variety; in the compact and solid texture of the snow-white heads, combined with its delicious flavor, it surpasses all other sorts. We obtain our supply of seeds direct from our growers, with whom we have a standing contract to deliver a stated quantity for each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating that for quality it is not surpassed by any other variety, no matter under what name it may be offered. $\frac{1}{4}$ pkt. 15c., pkt. 25c., $\frac{1}{2}$ oz. \$1.40, 1 oz. \$2.50, 2 oz. \$4.50, $\frac{1}{4}$ lb. \$8.

Extra Early Paris. Heads medium size. Pkt. 5c., $\frac{1}{2}$ oz. 60c., oz. \$1, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.

Half Early Paris, or Demi Dur. a fine variety. Pkt. 5c., $\frac{1}{2}$ oz. 60c., oz. \$1, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.

Bruce's Autumn King. In appearance it has some the characteristics of the Autumn Giant, but it is dwarfer, earlier, and the heads are of immense size, solid and white as snow. Pkt. 5c., $\frac{1}{2}$ oz. 60c., oz. \$1, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.

Large Walcheren. A very large variety; sure header. Pkt. 5c., $\frac{1}{2}$ oz. 30c., oz. 50c., 2 oz. 80c., $\frac{1}{4}$ lb., \$1.50.



Chantenay Carrot.

CELERY. *Celeri.* Fr. *Sellerie,* Gr.

One ounce will furnish about twenty-five hundred plants.

For early crops sow the seed in hot-beds during March, and when three inches high transplant into a well-prepared bed, and protect with boards or mats in frosty weather. For late crops sow in April. When up to the above size transplant into a bed, three inches apart, and when about six inches high plant six inches apart into trenches for blanching; dig the trenches four feet apart and fifteen inches wide, and ten inches deep; fill in four or five inches of well rotted manure, and mix it thoroughly, half a spade deep, with earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during their growth, holding the leaves close with the hand while the earth is drawn up, taking care that none of it falls into the centre of the plant. Celery, like Asparagus, is wonderfully improved by superior culture.

Paris Rose Ribbed. This handsome variety, introduced by us six years ago, is practically identical with the Paris Golden Yellow, except that the naturally golden colored stalks are suffused with a warm rosy hue, which gradually fades towards the top of the stalks, where it assumes a bright golden color when properly blanched and fit for the table. The plant is dwarf and heavy; the stalks broad, solid and brittle; while possessing in a marked degree the crispness, rich and nutty flavor for which red celeries are noted. Pkt. 10c, oz. 50c, 2 oz. 90c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Giant White Pascal. This is the largest Celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, are unusually thick, and always *crisp* and *brittle*, snapping like glass, and of fine flavor. A very vigorous grower and a good keeper. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Syer's Triumph. Of local origin. This splendid half-dwarf winter variety is remarkable for its keeping qualities, remaining in splendid condition all through the winter and into the spring. The stalks which blanch readily to a pearly white are broad and solid, very crisp and of the finest flavor. Pkt. 5c., oz. 30c., 2 oz. 50c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.



Syer's Triumph Celery. Pkt. 5c., oz. 30c., 2 oz. 50c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.



Paris Golden Yellow Large Solid, Bruce's Selected. This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously, with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Pkt. 10c., oz. 60c., 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

CELERY—Continued.



Bruce's Hamilton Red Celery.

Winter Queen. It is claimed by the introducers of this new Celery to be the most valuable variety for winter and spring use ever introduced, and worthy of *first place as a late celery*. The plant is of a stocky and robust habit, and with double the amount of heart of any known Celery, and when blanched is a beautiful cream white. Ribs perfectly solid, crisp, and of delicious nutty flavor. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Perle le Grand. Its beautiful, full golden heart and rich nutty flavor are unapproached by any of the older sorts. On the market stall it is extremely showy and salable, a single plant, making a good-sized bunch and surpassing nearly all other sorts in weight. It is not only a good early celery, being amongst the first fit to use, but also valuable as a winter keeper, remaining, when properly trenched, in perfect condition away into the spring. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

White Plume. The stalk and portions of the inner leaves and heart are *naturally white*. Its eating qualities are equal to the very best of the older sorts, being crisp, solid, and of pleasing flavor, while the white, feather-like foliage places it ahead of others as a table ornament. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Pink Plume. This handsome variety is practically identical with the well-known "White Plume," but with the added merit of the stalks being exquisitely suffused with pink and possessing the crispness and rich nutty flavor for which red Celeries are noted. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Bruce's Hamilton Red. This is the best of the red Celeries, its distinctive features being its size, superior flavor and long-keeping qualities. It grows about two feet high, the stalks being unusually broad, thick and crisp. Pkt. 10c., oz. 50c., 2 oz. 90c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Perfection Heartwell. One of the best for winter use; quality extra. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.
Turnip Rooted or Celeriac. Has edible roots which are used for soups, etc. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Celery Seed. For flavoring soup, etc. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Celery Plants. All the leading varieties, 75c. per 100, here. Special prices for large quantities.

CORN—Sweet or Sugar.

When Corn is to be sent by mail add postage at the rate of 5c. per pint within the Dominion of Canada, and 20c. per pint to Newfoundland and the United States.

One pint will plant 100 hills. One peck, (about 12 lbs.) for an acre. Plant in hills three feet apart each way, and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.

New Premo. See Novelties, page 2. Pkt. 10c., pt. 20c., qt. 35c., peck \$2.25.

First of All. It is claimed for this variety to be from three days to week earlier than the Early Cory. In habit of growth it is rather dwarfier. A valuable market variety. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.10.

The Cory Sugar. This has now become the standard first crop variety with gardeners and market growers, having fully established its character as the earliest of all the Sweet Corns. The ears are large and of fine quality. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.10.

Early White Cory. A selection from the Cory, of the same character in all respects, except that it has a white cob and kernel. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.

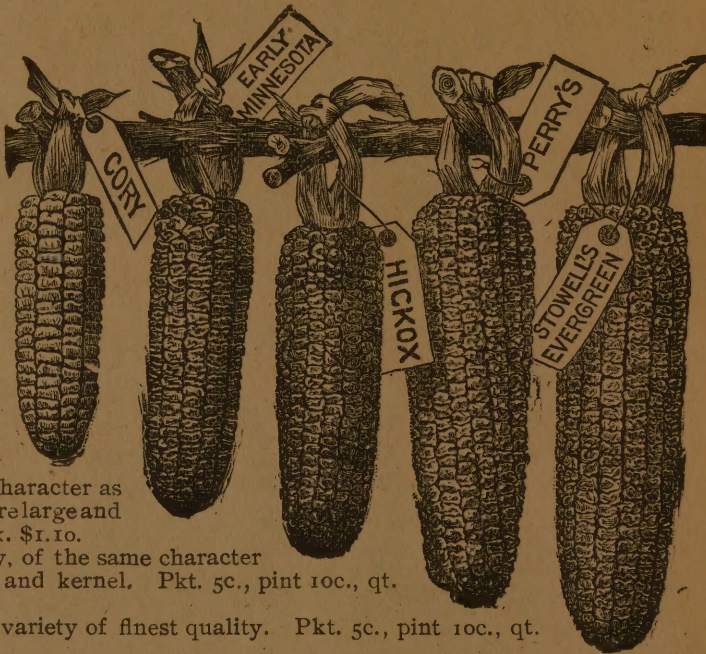
Early Minnesota Sugar. A well-known early variety of finest quality. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.

Kendel's Early Giant. A new second early variety, maturing several days ahead of Crosby, ears average eight to ten inches in length, with ten or more rows of large grains of rich sugary flavor. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.50.

Perry's Hybrid Sugar. An early variety, nearly as early as Minnesota, and ears much larger, each containing from twelve to fourteen rows of kernels. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.

Crosby's Early Sugar. Rich sugary flavor; very productive. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.

Early Mammoth. Very similar to the Late Mammoth, but much earlier. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.
Shaker's Large Early. A superior early variety, with large, well-filled ears; the kernels are of pearly whiteness, and most delicious flavor. It is ready to market one week after Crosby's, while the ears are very much larger. Pkt. 5c., pint 10c., qt. 20c., pk. \$1.25.



CORN—SWEET—Continued.

- Hickox Sugar.** A second early, ears nearly as large as Mammoth, more productive, and is largely grown for canning by the leading factories in Canada and the United States. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Old Colony.** A fine second early, a little later than Crosby's, but of stronger growth, and producing large ears, of splendid quality. A fine canning variety. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Country Gentleman.** An exceptionally productive variety, bearing three to five ears on the stalk, and of the finest quality. The cob is very small, giving great depth to the kernels, which are of pearly whiteness, sweet and tender. Matures a little before Stowell's Evergreen. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Nonsuch.** An extra large eared second early. The fodder and cobs are pink in color, the corn when fit for use pure white, ten to fourteen rows on cob. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Black Mexican.** A medium early, highly esteemed by many on account of its remarkable sweetness. Ears large, well filled with eight rows of large grains, which are a deep bluish purple. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Stowell's Evergreen Sugar.** A standard variety, remaining green longer than any other kind. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Mammoth Sugar.** A late variety and the largest of all, productive and fine flavored. Pkt. 5c, pint 10c, qt. 20c, pk. \$1.25.
- Parching or Pop.** Several varieties; red, black, white, etc. Per lb. 10c, 10 lbs. 80c, shelled.

CRESS or PEPPER GRASS. *Cresson*, Fr. *Kresse*, Gr.

The curled and broad-leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather. The Water Cress is an aquatic plant, with small oval leaves and prostrate habit. Sow the seed in a well-prepared bed, and when rooted, transplant to the banks of a running stream.

Extra Curled. The best for salads. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

Broad Leaved. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

True Water. Pkt. 10c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Chicory. *Chicoree Sauvage*, Fr. *Chichorie*, Gr.

It may be sown and treated in the same manner as carrots. Used to mix with, or as a substitute for coffee.

Large Rooted or Coffee. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Corn Salad. *Mache*, Fr. *Ackersalat*, Gr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Curled Chervil. *Cerfeuil*, Fr. *Kerbel*, Gr.

Cultivate and use like Parsley; sow at any time in the spring, in shallow drills one foot apart. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



New Cucumber—The Emerald.

CUCUMBER. *Concombre*, Fr. *Gurke*, Gr.

One ounce will plant fifty hills. Two or three pounds for one acre.

OPEN AIR CULTURE.—For general crops, plant from the middle of May to the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds in each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally; after they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.

Cumberland. (New.) For description see Novelties, page 2. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.75.

New Emerald. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits, the flesh being peculiarly crisp and tender, and the flavor delicate. Highly recommended as a slicer; it is equally good for pickles. For forcing, for those who grow under glass, or for long distance shipping, it will prove a boon, on account of holding its deep green so much longer than most other sorts. As an all-purpose, table or market variety, it cannot be surpassed. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Fordhook Pickling. This new and distinct variety is wonderfully prolific and almost a continuous bearer, for it produces plentifully after other varieties have ceased to bear. One of its great advantages is that it has a thin skin, and is crisp and tender. It is a vigorous grower, and for canners and market gardeners cannot be equalled. Pkt. 5c, oz. 15c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Russian. Fruit from three to four inches long and an inch and a half in diameter. Pkt. 5c, oz. 15c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Cluster. A very popular early Cucumber, producing its fruit in clusters. Pkt. 5c, oz. 15c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Improved Chicago Pickling. A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Pkt. 5c, oz. 15c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.



Fordhook Pickling Cucumber.

CUCUMBER.—Continued.

Improved Long Green. Skin dark green, changing to yellow as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.
Jersey Pickling. A very fine pickling variety, of late introduction. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.
Green Prolific Pickling. A splendid variety, selected with great care by one of the largest growers of pickling cucumbers; 200,000 can be grown on one acre. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.
Early White Spine. One of the best table sorts and highly prized by marketmen on account of its color, which never changes to yellow. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.



Boston Pickling Cucumber.

Japanese Climbing. Fruit of medium size, well-formed and of dark green color; flesh very thick and of exquisite flavor. It can be grown as an ordinary ridge cucumber, or as a climber. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.
West India Gherkins. Used only for pickles. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.
English Gherkins. For pickles. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.
Stockwood Ridge. A black spined variety, twelve to eighteen inches long. Pkt. 10c., oz. 50c.

FRAME OR GREEN-HOUSE VARIETIES

UNDER GLASS CULTURE IN SMALL POTS.—Sow from middle of January, in soil that is slightly moist, and give little or no water until the seeds have germinated; when grown to three leaves plant out in previously prepared, loose, rich soil. In forcing the night temperature should not be allowed to sink below 60°, and the day heat should range from 70° to 80°. Admit air in all mild weather.

Lockie's Perfection. A beautiful green, of medium length, and of unsurpassed flavor; a wonderful cropper. Pkt. 25c.

Telegraph. (Rollison's). Dark green in color; quick in growth; handsome and unusually prolific. One of the most reliable sorts. Pkt. 25c.

Tender and True. A very free bearing variety; flavor excellent; a fine market variety. Pkt. 25c.

Carter's Model. Grows to an immense size, straight and smooth. Pkt. 25c.

Noa's Forcing. Very productive. Pkt. 25c.

EGG PLANT. *Aubergine, Fr. Eirpfplanse, Gr.*

Sow the seed thickly in a hot bed in March, and plant out at the end of May in a rich, warm piece of ground in rows two feet apart and one foot in the rows. They bear their fruit when about fifteen inches high.

New York Improved Round Purple. The leading variety; very large and productive. Pkt. 10c., oz. 60c., 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Long Purple. Very hardy; early and productive. Pkt. 5c., oz. 40c., 2 oz. 60c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

ENDIVE. *Chicoree, Fr. Endivie, Gr.*

Sow middle of July, in drills or beds; when up, thin out to stand twelve inches apart; when the leaves are six to eight inches long, blanch them by gathering the leaves in the hand and tying them together near the top with matting. It is highly esteemed as a salad.

Green Curled. Very heavy; leaves dark green tender and crisp. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

White Curled. Leaves pale green; a good variety. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Boston Pickling. A popular variety for pickling. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Arlington or Improved Early White Spine. A very fine large fruited early strain, largely used for forcing by market gardeners; it is equally desirable as a garden or market variety, planted in the open ground. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

White Pearl. About the size and general shape of the Improved White Spine, the fruit when ripe being nearly pure white, flesh solid and of excellent quality. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.40.

Everbearing. Very early, small sized and enormously productive and valuable as a green pickler. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Giant Pera. The green Cucumbers are fit to eat at any stage of growth the flesh is very clear, crisp and brittle, and of fine flavor, fruit from twelve to fifteen inches in length. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Paris Pickling. Fruits are slim and slender, from three to five inches in length, crisp and brittle; they snap freely, and when ready for pickling show absolutely no signs of seeds. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Bruce's
Lawn Grass
25c Lb.
Postpaid.



New York Egg Plant.

GARLIC. *Ail, Fr. Lauch, Gr.*

Plant in rows six inches apart, and about two inches deep; leave a foot between the rows; when the leaves turn yellow take up the crop. It is used extensively for seasoning pickles, etc.

Large Italian Sets, $\frac{1}{4}$ lb. 15c., lb. 35c., postpaid.

KOHLE-RABI—Turnip-Rooted Cabbage.

Chou Rave, Fr. Kohl-Rabi, Gr.

Early Purple Vienna. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Early White Vienna. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Scotch Leek.

LEEK. *Poireau, Fr. Porro, Gr.*

Sow early in Spring, in drills or beds; when the plants are eight or ten inches high, transplant them in rows six inches apart, and twelve inches between the rows. Plant at least six inches deep to have them well blanched. By many they are preferred to onions for soup, etc.

Extra Large Carentan. Very hardy; extraordinary size. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

LETTUCE. *Laitue, Fr. Lattich, Gr.*

1 oz. will sow a row of 100 feet.

For early use, sow in hot-beds in February, and for general use as early in the spring as the ground can be worked, in a well-prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

Unrivalled. For description of this new Lettuce see Novelties, page 3. Pkt. 5c., oz. 30c.

Bruce's Nonpareil Cabbage. This well-known variety has proved itself during the past forty years to be one of the best Lettuces for out-door cultivation, and for forcing in the greenhouse it has no equal; in color it is a beautiful yellowish green, the heads being large, solid and of finest quality. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

The Gardener's Favorite. A standard variety for early forcing or out-door cultivation. Crisp, sweet and tender. Color yellowish green, heads large and solid. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Hamilton Market. A variety of local origin; heads large, very solid; tender and well-flavored. Color, yellowish green suitable for forcing and open air cultivation. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Bruce's Nonpareil Cabbage Lettuce.

Big Boston. New. Resembles the popular Boston Market, but is nearly twice as large; desirable for forcing in frames and for spring and fall out-door planting. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Black Seeded Simpson. One of the best forcing varieties. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Grand Rapids. This variety is best adapted for forcing. Leaves medium size, of light yellowish green color, much crimped and frilled; forms a fair-sized but loose head, crisp and of good quality. Owing to its upright habit, it may be planted very closely. A good shipper. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Extra Early Ohio. Oval-shaped heads, solid, sweet and crisp. A good variety for forcing. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Boston Market or Tennis Ball. One of the earliest, heads small, solid, crisp and fine flavored. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Brown Dutch. Very hardy; one of the very best for winter use. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Blonde Beauty. Its beautifully curled white leaves, with their slight golden tinge, give it a pleasing appearance; heads large and solid. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Musk Melon—Paul Rose.

Hanson. A well-known variety; heads large and of finest quality. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Early Curled Silesia. Very early and good for forcing. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Paris White Cos. The finest form of Lettuce of the Cos type. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

MUSK MELON.

Melon, Fr; Me one, Gr.

One ounce will plant about sixty hills; three pounds to an acre.

CULTURE.—Plant middle of May, in hills six feet apart each way, eight to ten seeds in each, and thin out to three or four plants when in a state of forwardness. To grow good melons, the hills should be prepared by digging out the soil from one and a half to two feet deep, and two or three feet broad, according to the richness of the land. Add a very liberal quantity of best decomposed manure, and mix well with soil, filling a little above the level. Seeds should not be put into the hills until the weather becomes settled and warm.

Unsworth's Perfect. New. For description, see Novelties, page 3. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.



Extra Early Hackensack Melon.

Emerald Gem. A splendid variety for gardeners on account of its great earliness and luscious flavor. Skin, while ribbed, is smooth, of an emerald green color; flesh salmon and rind thin; melons of fair size. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Large Hackensack. A standard variety. The melons weigh from four to ten pounds each, and are of a delicious flavor. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Extra Early Hackensack. This variety resembles its progenitor, but is smaller and about ten days earlier. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Long Island Beauty. This splendid variety is an improvement on the Hackensack, which it resembles to a certain degree. It is one of the earliest melons grown, good size, flattish in shape, well netted, and has sweet green thick flesh of delicious flavor. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Jersey Belle. Medium size, finely netted, green flesh, best for light soils. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Delmonico. Is an oval melon of large size and deeply netted. The flesh is an orange pink color, and of delicious flavor. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

The Princess. Fruit nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and the flavor is sweet beyond description. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Osage or Miller's Cream. Flesh is a rich salmon color, very thick, sweet, rich and delicious. It has a thin rind, finely netted; a vigorous grower and very productive. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Dixie Water Melon.

MUSK MELON—Continued.

Paul Rose. It surpasses all melons as a shipper and long keeper, and no other equals it in smallness of seed cavity nor approaches it in firmness. The flesh is salmon in color, extra deep, and of the most delicious flavor; it ripens from ten days to two weeks earlier than the Osage. They are wonderfully uniform in size and appearance, the average weight being about $1\frac{1}{2}$ pounds, recommended as a most desirable variety for market or home use. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Rocky Ford. This fine extra early variety is largely grown in Colorado and shipped by the carload to the eastern cities. The flesh is light green in color, very juicy and rich, and good clear to the rind. It is medium in size, of round form and a good keeper. A fine variety for the family table and market gardener. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Grand Rapids. A splendid extra early variety of large size and handsome appearance; skin finely netted, flesh salmon. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Extra Early Citron. The largest of the very early Cantaloupes, form half flat, fairly webbed, flesh green. The merit of this sort consists in its extra early habit, for which it will be found profitable by all market gardeners. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Montreal Improved Green Nutmeg. This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting and exquisite flavor. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early Orange Christiana. Yellow flesh. It is 10 days earlier than the Nutmeg. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Skillman's Early Citron. Very early oval shaped, flesh deep green. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Long Island Beauty Melon.

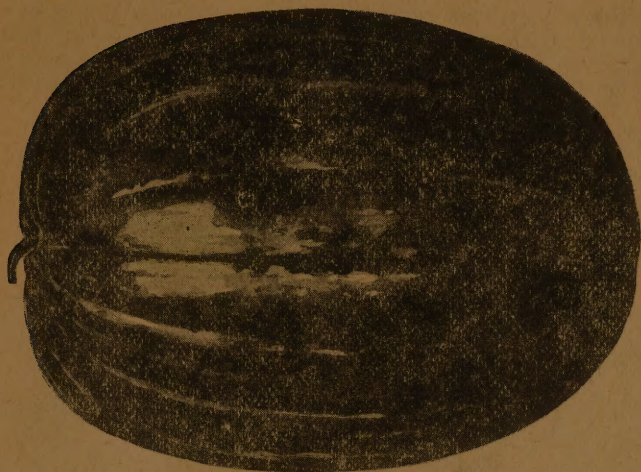
WATER MELON.

One ounce for every 30 hills; 4 to 5 pounds for an acre

The Water Melon is purely a tropical fruit, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that hills should be eight feet apart each way.

Kleckley Sweets. Large oblong Melons, 20 inches in length by 10 to 12 inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The white seeds are placed close to the rind. Flesh crisp and sugary and melting in the highest degree; entirely free from any stringiness; of handsome appearance and most uniformly superior quality; it is the "sweetest of all" large Water Melons, and most desirable for planting for home use or nearby markets. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

WATER MELON—Continued.



Black Boulder Water Melon.

days earlier than either. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

The Boss. Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive and a good shipper; a favorite with market growers. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Kolb's Gem or American Champion. It attains a weight of from 25 to 50 lbs. Its flavor and its keeping qualities are the best. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Hungarian Honey. This is the most luscious variety known, and at the same time ripens early; is of good size, perfectly round and productive; skin a handsome, medium, dark green, flesh bright red. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Phinney's Early. An early, hardy and productive red-fleshed variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Cuban Queen. Flesh bright red, remarkably solid, crisp and sugary, and for delicious flavor is unsurpassed. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Citron. Fruit round, flesh white and solid; used for making preserves only. Red seed. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Citron, Colorado Preserving. Of large size, very productive and of excellent quality; green seed. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Black Boulder. A magnificent *new* variety of immense size and great productiveness. It possesses a very distinctive characteristic in its color, which is a rich, dark, glossy green, almost black, making it very attractive; the flesh is deep scarlet, crisp and rich. Sweet and juicy. A splendid shipper and all round good Melon. Pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Sweetheart. Early, uniformly large, handsome and productive. As a shipper and long keeper it has no equal. Fruit is oval, heavy, and mottled light green. Flesh bright red, firm and solid, but very tender. A profitable variety for market gardeners. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Peerless. An extra early variety of medium size; thin rind, light mottled green; flesh bright scarlet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 70c.

Dixie. A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities, and fully equalling the latter in fine eating quality and flavor, being a week or ten

MUSHROOM SPAWN.

Blanc Champignon, Fr. Essbare Blatter Schwamme, Gr.

Mushrooms can be grown in any cool, shady situation out of doors in the summer time, and during the winter months in any greenhouse, shed or cellar, where the temperature does not fall below 45°, and is tolerably uniform. They are possibly the most profitable crop for the outlay that can be grown. The spawn we offer can be thoroughly relied on to produce a good crop of the best Mushrooms.

Directions for Cultivation Accompany Each Order for Spawn.

Fresh English Milltrack Spawn, in bricks, 20c. each; five for 75c.; 12 for \$1.50. If to be sent by mail add 5c. a brick for postage within the Dominion of Canada, and 20c. to Newfoundland and the United States.

New Virgin Mushroom Spawn

The idea of raising virgin spawn by sowing the spores of the best Mushrooms has occurred to many minds, but all endeavors remained fruitless until Dr. Rejin, after countless experiments succeeded, four years ago, in manufacturing virgin spawn, at will. This Virgin spawn is characterized by its great vigor of growth, and being raised from spores of the best and healthiest Mushrooms, it does not contain any of the bacterial or other organisms which may be prevalent in spawn that has not been manufactured and sterilized by this new process. It therefore is not so liable to be



Mushroom Spawn

attacked by diseases, a consideration which alone possesses a high degree of interest and does away with one of the great drawbacks in Mushroom growing. It is sold in the form of compressed and sterilized manure slabs or tablets, thoroughly pervaded by the spawn, and which are half an inch thick and about 10 square inches in surface. 15c. a tablet; \$1.20 per dozen postpaid.

MUSTARD. *Moutarde, Fr. Senf, Gr.*

For early salad sow in hot-beds in February and March; and for general crops, at intervals throughout the season, in shallow drills six inches apart. **White.** For salad. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

ONION. *Ognon, Fr. Zwiebel, Gr.*

(One ounce will sow a row of 100 feet ; five lbs. to the acre.)

Onion seed is sown from the first of April to the middle of May—the earlier the better—provided the ground is dry enough to work light and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably ensure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow, twelve inch drills, about four inches apart, but not covered.



Australian Brown. This onion of recent introduction has met with great success, and is pronounced the best keeper of all Onions. Of good marketable size. It ripens earlier than either Yellow Danvers or Red Wethersfield. The outside skin is of a deep, amber brown, distinct from all other onions, and it is extremely hard and firm, and of fine flavor. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.20.

Early Red Globe. Globe shaped, skin deep red, flesh white; mild and tender; handsome in appearance and ripens early. Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

Extra Early Flat Red. Resembles the Wethersfield in color, but is much earlier; valuable for heavy, late soils. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

Large Red Wethersfield. Skin deep purplish red; flesh purplish white; fine grained and stronger flavor than that of the yellow and early red varieties; productive, and one of the best to keep. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

Danvers Yellow Globe. *Bruce's Selected*, a fine variety; above the medium size, globular in form, skin yellowish brown, flesh white; mild and well flavored; very productive. The most profitable variety for market gardeners to grow. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

Danvers Yellow Flat. In quality, equal to the preceding, but flat in shape. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.20.

Yellow Dutch or Strasburg. Very flat and productive. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 35c., lb. \$1.20.

White Globe. A large, globe-shaped variety; very solid, of mild flavor and good keeper; clear white skin, and always commands the highest market price. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.20.

White Portugal. Large flat onion; mild flavor; fine for early winter use. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.20.

Welsh—Red or White. Used for salads. Sow the seeds of this variety in August. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.40.

PICKLING ONIONS.

Small Silver Skin Pickling. A standard variety; largely grown for pickles. Pkt. 5c., oz. 15c., 2 oz. 30c., $\frac{1}{4}$ lb. 45c., lb. \$1.65.

White Barletta Onion. An extra early, small, white skinned variety; flesh pure white; very mild in flavor; excellent for pickling. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Queen. This is another extra early variety; small flat and mild flavored. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

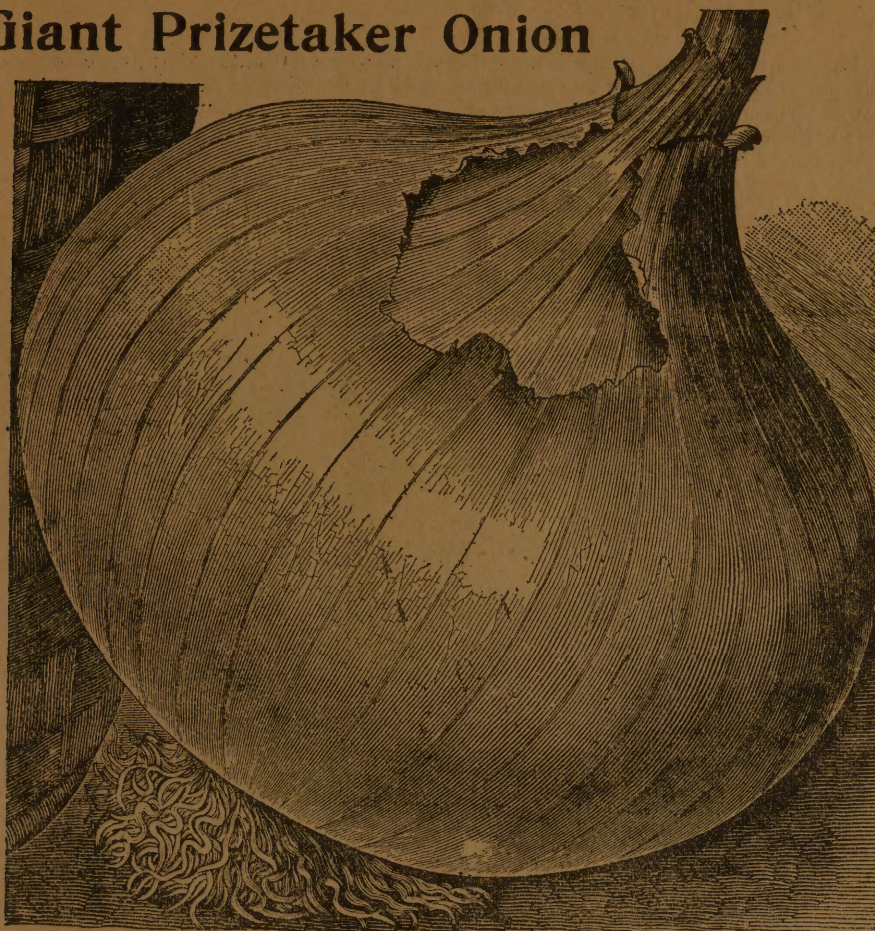
To those requiring Onion Seed in quantity, we will be pleased to quote special prices on application.

Lang's Hand Weeder, excellent for weeding onions, 30c. postpaid.



ONION—Continued.

Giant Prizetaker Onion



ONION SETS.

When wanted in large quantities write for special quotations.

English Potato.... Per qt. 10c.
 Top or Button..... " 15c.
 Shallots..... " 10c.
 Dutch Sets. Yellow " 15c.

Dutch Sets. White..... Per qt. 20c.
 When sets are to be mailed, postage must be added at the rate of 10c per quart within the Dominion of Canada, and 25c per quart to Newfoundland and the United States.

OKRA *Gombo, Fr. Safran, Gr.*

Plant late in the Spring (after the ground has become warm) in drills two and a half feet apart; thin out to nine inches in the row. Use the pods when green and tender.

Dwarf Green. Round smooth pods. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.

PARSLEY *Persil, Fr. Petersilie, Gr.*

Sow early in the Spring, in drills twelve inches apart, thin out the plants to six inches apart. To have green during the winter, remove plants into a box, and place in a light cellar or cold frame.

Extra Curled. Leaves beautifully curled. Pkt. 5c, oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Champion Moss Curled. This is the perfection of Parsley. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 35c, lb. \$1.

Carter's Fern Leaved. Invaluable for garnishing. Pkt 5c., oz 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

PARSNIP *Panais, Fr. Pastinake, Gr.*

Sow as early as the ground will permit, in very rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through the winter.

Bruce's Improved Hollow Crown. Will be found a decided improvement on the old variety; root finely shaped, and flavor excellent. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

The Student. Well-known variety, fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Geo. Croft, gardener to Mrs. F. S. Rathbun, Deseronto, writes: "Seeds sent last year

Hollow Crown Parsnip gave splendid satisfaction."

Neapolitan Onion Seeds.

The following varieties can be grown to an enormous size by sowing in the fall, say from the 1st of August to 10th of September, and planting out the following spring, or they may be sown in a hot-bed early in the season and transplanted out as soon as the ground is in condition.

Giant Prizetaker. Of a rich straw color. This variety grows to an enormous size. Some of our customers this past season exhibited specimens grown under ordinary cultivation weighing as much as 3 pounds each, and measuring 18 inches in circumference. Globe-shaped solid, and an excellent keeper; in flavor it is mild and sweet. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.40.

Giant White Tripoli. Large and handsome. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Mammoth Silver King. A white-skinned and white fleshed variety. It matures early. In shape somewhat flat and of an exceedingly mild and delicate flavor. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.20.

Giant Rocca. Large globular shaped light brown skin. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c, lb. \$1.40.

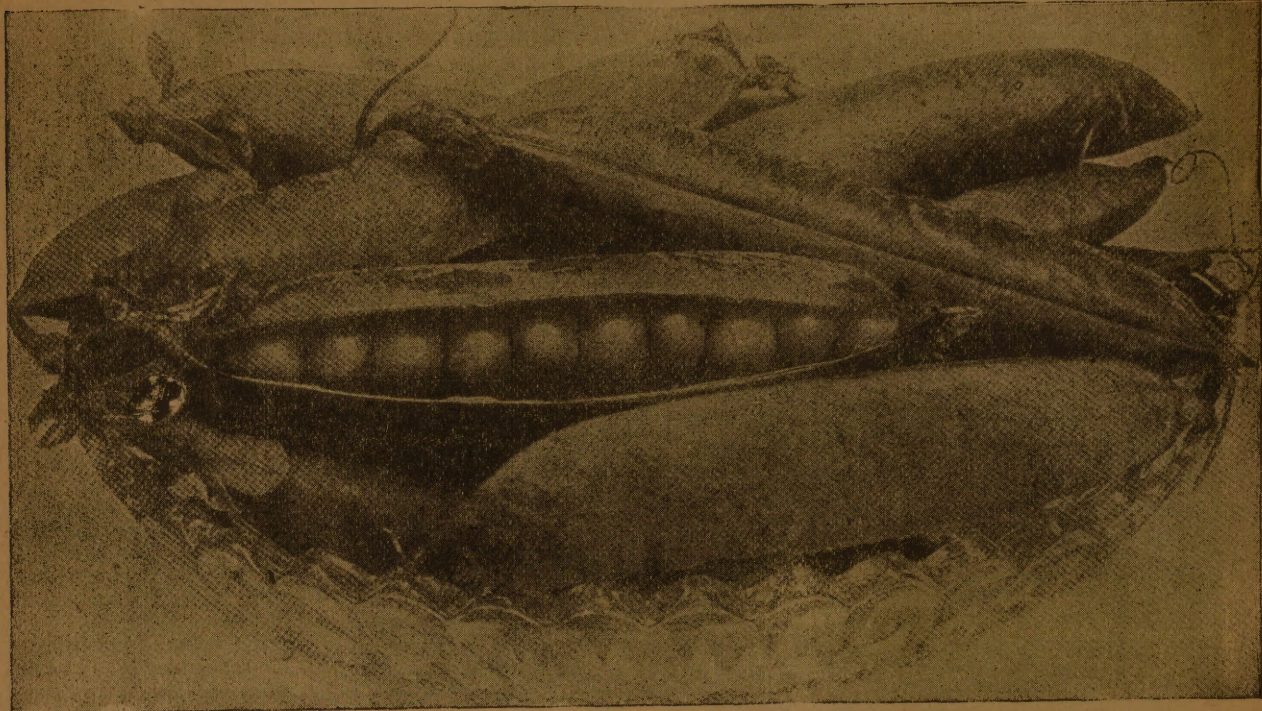


PEAS. *Pois, Fr. Erbse, Gr.*

One quart for a row of 75 feet.

The soil best adapted for the Pea is a rich loam, well manured the previous year (use thoroughly decomposed manure if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked in drills three feet apart, and for a succession every two weeks until the first of July. When they are three inches high, begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground is very dry, should be watered in the hills.

New Thomas Laxton—Extra Early. For description of this grand new Pea see Novelties, page 3. Pkt. 10c., $\frac{1}{2}$ pint 20c, pint 35c., qt. 60c., 2 qts. \$1.00, 4 qts. \$1.80, peck \$3.50.



New Extra Early Pea—Gradus. (Reproduced from a Photograph.)

New Extra Early Pea—Gradus. Earliest of all the sweet wrinkled varieties. This is without doubt the greatest advance achieved in early Peas, for while it ripens within a few days of such extra early sorts as Bruce's Conqueror, the pods are of the same size and as well filled as Stratagem, with large peas of the most delicious flavor. **Gradus** is the most distinct pea raised. The vine has heavy stems, with large, dark green leaves, and grows three feet in height. It produces uniformly large pods, nearly round, of a deep green color, each pod containing nine or ten peas of true marrow flavor. May be sown and gathered with the first earlies, as it is equally as hardy and is destined to become the leading extra early pea for both private and commercial use. Pkt. 10c., pint 30c., qt. 50c., 2 qts. 90c., 4 qts. \$1.60, peck \$3.00.

EXTRA EARLY VARIETIES.

Bruce's Early Conqueror. This well-known variety surpasses all other peas as to earliness. A prolific cropper, bearing large pods; it ripens up with wonderful uniformity, making it the most profitable early pea for market gardeners to grow. Height 2 feet. Pint 20c., qt. 30c., peck \$1.60, bush. \$6.00.

Carter's First Crop. A good, extra early variety, Height 2 ft. Pt. 20c, qt. 30c., pk, \$1.50, bush., \$5.50.

Improved Daniel O'Rourke. An excellent extra early variety. Height 2 feet. Pint 20c., qt. 30c., peck, \$1.50, bush. \$5.50.

Alaska. One of the very earliest blue varieties, productive and a good canner. Height $1\frac{1}{2}$ feet. Pint 20c., qt. 30c., peck, \$1.60, bushel, \$6.00.

American Wonder. This variety is justly entitled to take first position at the head of the list of Extra Early Dwarf Wrinkled Peas, and stands unrivalled in point of productiveness, flavor and quality. Height 10 to 12 inches, with a very branching habit. Pint 25c., qt. 40c., peck, \$2.25, bush. \$8.00.

Nott's Excelsior. A splendid extra early, a few days later than the American Wonder, but pods larger; very prolific and of splendid flavor. Height 1 foot. Pint 25c., qt. 40c., peck, \$2.25, bush. \$8.00.

When Peas are to be sent by mail, add the postage at the rate of five cents per pint within the Dominion of Canada, and twenty cents per pint to Newfoundland and the United States.

SECOND EARLY VARIETIES

Heroine. One of the best large green wrinkled sort^s of recent introduction. Growing about $2\frac{1}{2}$ feet high it bears a profusion of large pointed pods, many of which contain from 8 to 9 large peas of the finest quality; rich, buttery, marrow-like flavor. It is a second early, green, wrinkled variety, which is fast coming into general favor on account of its productiveness and general good qualities. A profitable pea for market gardeners. Pint 20c., qt. 30c., peck \$1.75, bush. \$6.00.

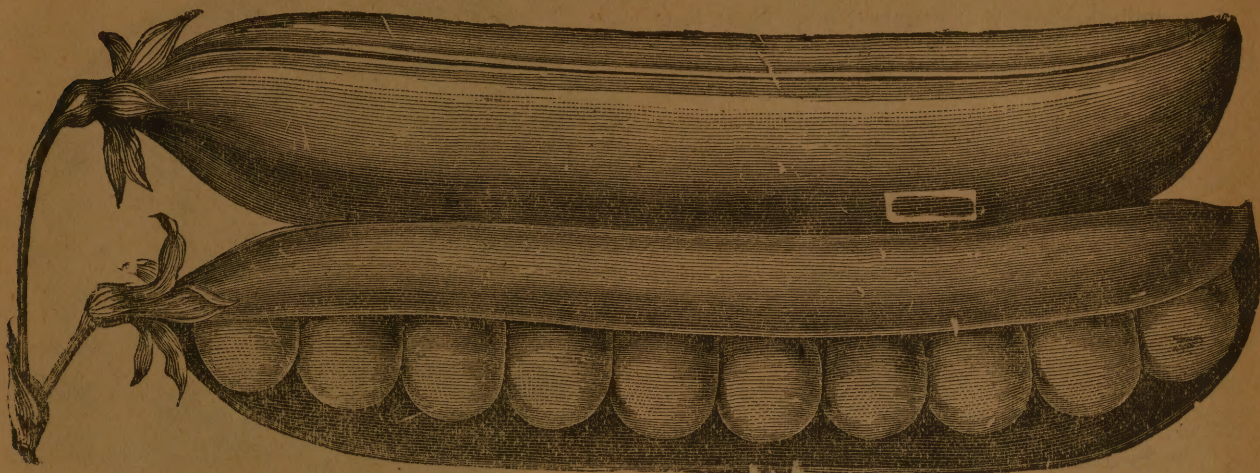
McLean's Little Gem. This Pea is now a well-known standard variety. It is one of the best dwarf early sorts, and of exquisite flavor, Height 1 foot, Pint 25c., qt. 40c., peck, \$2.00, bush. \$7.50.

Horsford's Market Garden. A wrinkled variety, prolific bearer; pods medium size, numerous and well-filled with peas of a delicious flavor. Pint 20c., qt. 30c., peck \$1.50, bush. \$5.50.

McLean's Advancer. A dwarf, green wrinkled variety of fine flavor. The best canner. Pint 20c., qt. 30c., peck, \$1.50, bush. \$5.50.

We supply all varieties of Peas, except where specified at 5c. per pkt.

PEAS—Continued.



Bruce's C.P.R. Pea

GENERAL CROP

Champion of England. Good for general crop, very fine flavor. Height 4 feet. Pint 15c., quart 25c., peck \$1.20, bushel \$4.50.

Improved Stratagem. One of the best of the many English Peas. It grows to a height of two feet, and the plant is literally covered with immense pods, many measuring six inches in length and frequently containing ten large fine flavored peas. Pint 20c., qt. 30c., peck \$1.75, bush. \$6.50.

Bruce's C.P.R. The best main crop, blue, wrinkled narrow pea. It grows about 2 feet high, of a sturdy, branching habit, and it requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine, deep, green color and of the most delicious flavor. We strongly urge all growers to give it a trial. Pint 20c., qt. 30c., peck \$1.75, bush. \$6.50.

Large White Marrowfat. A very prolific, first-rate variety. Pint 10c., qt. 15c., peck 50c., bush, \$1.50.

Black-Eyed Marrowfat. Great bearer, large pods. Pint 10c., qt. 15c., peck 50c., bushel \$1.50.

PEPPER. *Piment. Fr. Spanischer Pfeffer. Gr.*

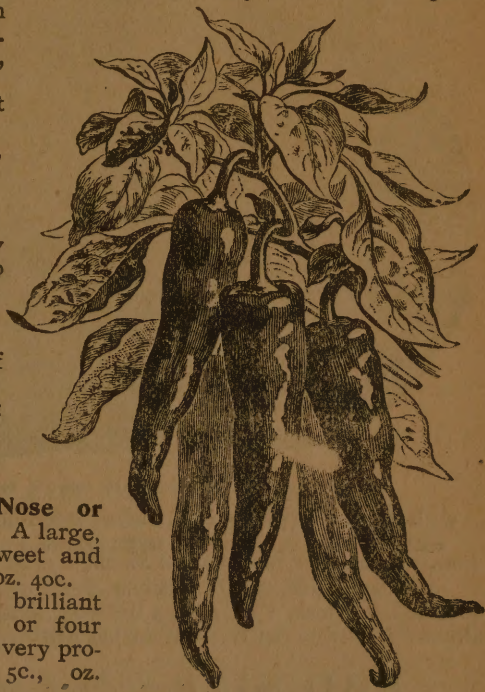
Sow early in the spring in a hot-bed, and transplant end of May in rows eighteen inches apart and ten inches in the row, and earth up a little at one or two hoeings.

Cayenne. Pods are small, cone-shaped, coral red when ripe. Pkt. 5c., oz. 40c.

Cherry. The pods or fruit erect, nearly globular, cherry form; of deep, rich, glossy scarlet. Pkt. 5c., oz. 40c.

Chili. Pods pendant, shape conical, about two inches in length; very piquant. Pkt. 5c., oz. 40c.

Golden Dawn. A rich, deep, yellow pepper, of uniform large size, sweet and mild. Pkt. 5c., oz. 40c.



Long Red Pepper

Improved Bull Nose or Sweet Mountain. A large, early variety, sweet and mild. Pkt. 5c., oz. 40c.

Long Red. Pods brilliant red, and three or four inches in length; very productive. Pkt. 5c., oz. 30c.

Long Yellow. Similar to the long red in shape and size, excepting in color. Pkt. 5c., oz. 40c.

Mammoth Golden Queen. The largest of the yellow varieties. Pkt. 5c., oz. 40c.

Mammoth Spanish. One of the largest and earliest varieties. Flesh is sweet and mild. Pkt. 5c., oz. 40c.

Monstrous or Grossum. A remarkably fine variety, growing to a large size. Pkt. 5c., oz. 40c.

Procopp's Giant. Very large, thick fleshed, scarlet variety. Pkt. 5c., oz. 40c.

Ruby King. Beautiful bright red; fruit very large and mild, one of the best. Pkt. 5c., oz. 40c.

Squash. Skin smooth and glossy; flesh thick, mild and pleasant to the taste. Pkt. 5c., oz. 40c.

T. C. Robinson, nurseryman, Owen Sound, says:—The seeds received from you last year were very satisfactory.



Ruby King Pepper

PUMPKIN *Potiron, Fr. Kurbis, Gr.*

Plant middle of May in manured hills, eight feet apart, and leave but two or three plants in a hill.

Cheese. Medium size; one of the best for cooking purposes. Pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Large Yellow. Better adapted for feeding purposes than for cooking. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

King of Mammoth or Jumbo. This variety can be grown to an enormous size; flesh fine grained and of excellent quality. Pkt. 10c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

Japanese Pie. Crook-necked variety, productive, ripens early, medium size, good keeper. Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.60.

Large Tours. A very large variety. Pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.60.

**King of Mammoth Pumpkin****SELECTED
SEED POTATOES**

The following varieties may be relied upon as genuine and of fine quality.

Extra Early Ohio. A very fine early potato of vigorous growth and superior quality. Our stock is very fine.

Burpee's Extra Early. Of good size, oblong in shape, skin smooth, of a creamy white color, shaded with pink, flesh pure white, fine grained and of the best table quality. Very productive.

The Bovee. An extra early, wonderfully productive variety of excellent quality.

Early Puritan. An early variety of handsome, oblong shape; skin and flesh pure white. Very productive.

**Bruce's White Beauty Potato**

with few and shallow eyes and of splendid quality.

PRICES OF ABOVE VARIETIES (subject to market fluctuations), b., 15c., 5 lbs. 50c., postpaid. Peck 40c., half bushel 70c., bushel \$1.25, bag \$1.75.

Beauty of Hebron, Thorburn, Pearl of Savoy, Empire State, White Elephant and other standard varieties supplied. Prices, 1 lb. 15c., 5 lbs. 50c., postpaid. Bulk prices on application. We usually commence shipping about the first of April (weather permitting).

RADISH *Radis, Fr. Rettig, Gr.*

One ounce will sow a row of one hundred feet.

For early crops they should be sown in hot beds in February or March, and in the open air as soon as the ground can be worked, and at intervals of ten or twelve days for a succession throughout the season. Sow in drills eight or ten inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August, and lifted before severe frost. A warm loam, made rich and light by some well-rotted sandy manure, will be most likely to produce them brittle and free from worms.

Bruce's Non Plus Ultra. (Forcing). A wonderfully rapid grower, which is fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

**Bruce's Non Plus Ultra Forcing Radish.**

Bruce's White Beauty. This excellent potato still retains the position it has occupied since we introduced it eleven years ago. The specialists who give their attention to supplying the market with the first potatoes of the season find in it the most desirable variety for this purpose on account of its attractive appearance and the excellence of its table qualities. It resembles the Beauty of Hebron, but is earlier and more productive. The skin and flesh are pure white, the tubers are uniform in size and it is a good keeper.

Sir Walter Raleigh. The best main crop variety, very productive, white flesh and skin, of uniform large size, smooth

RADISH—Continued.

Bruce's In and Out. (Forcing). Similar in size and shape to the Set. Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over twenty days. A desirable variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Lily White. (Forcing.) A handsome white, turnip variety, having remarkably few leaves, which are small and closely set, comes to maturity in about twenty days. Skin and flesh pure white, of excellent flavor. Pkt. 5c., oz. 15c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.

Scarlet Olive. (Forcing). The largest of the forcing varieties, of a pure, deep scarlet color, the top being unusually small. This will be found a most profitable variety to grow. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Scarlet Globe. (Forcing). Handsome shape, color brilliant red; flesh white and crisp, mild and of fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early Deep Scarlet Turnip. Color of the skin a very dark red; white flesh, with very small tap root. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Scarlet Turnip, White Tipped. A standard market variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

French Breakfast. Oval form, color scarlet, white tipped. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Scarlet Olive-Shaped. Skin fine scarlet, flesh rose color. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

White Olive-Shaped. Same as above in every respect except color. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

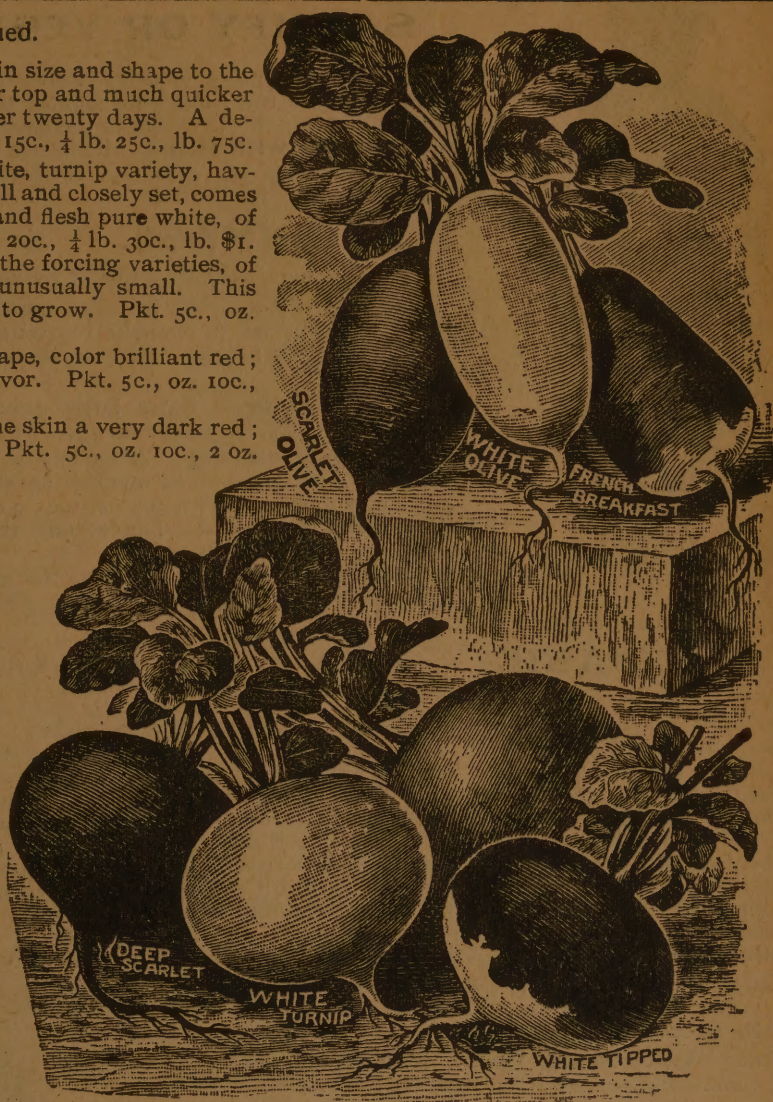
White Turnip. Skin and flesh white: some days later than the scarlet. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Half Long Deep Scarlet. An early variety, intermediate in shape between the Long Scarlet and the Scarlet Olive-shaped. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Long Brightest Scarlet. This new variety resembles the Old Long Scarlet in shape and size, but in color is very distinct, being of the most vivid scarlet imaginable, the tip of the roots being pure white. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Long White Vienna or Lady Finger. This is the best long white variety. Of handsome form, skin and flesh pure white, of very rapid growth, remarkably crisp, brittle and tender. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Chartier. A long radish, of deep crimson color at the top, shading off lighter until at the bottom they become white. The roots attain a large size and remain for a long time tender and crisp. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Long Brightest Scarlet Radish.

WINTER RADISHES

China, Rose Colored. Size medium, flesh firm, rather piquant. The standard winter variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Black Spanish Round. Large size, skin black, of fine quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Black Spanish Long. Similar to preceding in every respect except shape. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

California Mammoth or White Russian. A giant white-fleshed fall radish. It grows from 8 to 10 inches in length and about 2 $\frac{1}{2}$ in diameter. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

RHUBARB. *Rhubarbe, Fr. Rhabarber, Gr.*

Sow early in spring, in rows twelve inches apart; the following spring transplant into rows two feet apart each way; manure the ground to the depth of two feet. In raising Rhubarb from seed, no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots which will produce a moderate supply the first season.

Victoria. Very large, fine for cooking. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Myatt's Linnæus. Very early and tender. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Rhubarb Roots, each 20c., three for 50c., \$2.00 per doz., postpaid.

Crambe Maritime, Fr. Meerkohl, Gr.

SEA KALE.

Sow in drills one foot apart, and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart, and three plants to each hill. On approach of frost cover about two feet thick with dried leaves. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

SALSIFY OR VEGETABLE OYSTER.

Sow early in spring in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to Carrots and Parsnips. They are quite hardy and will stand the winter in the open ground.

Mammoth Sandwich Island. Roots are very large and of excellent quality. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Long White. A standard variety. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

SPINAGE.

Epinaud, Fr.

Spinat, Gr.

One ounce will sow a row of 100 feet; ten to twelve lbs. for an acre.

Sow early in the spring, in drills one foot apart, and thin out to six inches in the row. Rich, light soil is requisite to produce large, tender leaves. For winter crop, sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

Monstrous Viroflay. Extra large, round leaved variety, with thick, succulent leaves. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 30c.

Catillon Long Standing. A variety with large, thick, succulent leaves, which does not run to seed as quickly as other sorts. One of the best for market gardeners to grow. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 30c.

Fall or Prickly Seeded. Leaves long, thin in texture and erect. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 30c.

New Zealand. Produces leaves of the greatest succulency in the hottest weather. Pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Mammoth Salsify.

SQUASH.

Courge, Fr.

Speise Kurbis, Gr.

One ounce for fifty hills.

Any good enriched soil is adapted to the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seeds should not be sown in spring until all danger from the frost is past, and the ground is warm and thoroughly settled. The hills should be made from eight to ten inches in depth, manured well and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent with the impression that it facilitates the formation of fruitful laterals and the early maturing of the fruit.

Early Yellow Scallop Bush. Early, flat, scalloped shaped, yellow and fine grained. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

Early White Scallop Bush. Similar to the preceding except in color. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

Golden Custard. This is an improved strain of the Early Yellow Bush Scallop, of true bush growth, and nearly as early. The fruits are much larger and greater in depth, and have a rich golden orange skin, as well as rich creamy yellow flesh; very productive. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.



Monstrous Viroflay Spinage.

Early Summer Crookneck. One of the finest of the summer varieties. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

Vegetable Marrow, Moore's Cream. Skin greenish yellow; flesh, white, soft, rich flavor. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Long White English Marrow. A very long, pure white marrow of the finest quality, very productive. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Long White Bush Marrow. The fruit of this bush variety is similar in size and color to preceding. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Hubbard. The standard winter squash, color dark green, shell hard, flesh dry, fine grained and sweet. Excellent keeper. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

New Red or Golden Hubbard. While it resembles the old green Hubbard in shape and size it is much more attractive in appearance on account of the color, which is of a rich orange-yellow, turning to a deep salmon-red when ripened. Its keeping qualities are fully equal to, while in productiveness it excels the green variety. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.40.

Fordhook. A winter variety, oblong in shape, color a bright yellow, the flesh is dry, sweet, and of the finest quality; very productive, remarkable keeper; skin thin; delicate; meat thick; seed cavity small; a most desirable variety. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 45c., lb. \$1.40.



Long White Vegetable Marrow Squash.

SQUASH—Continued.

The Faxon. A fine flavored and wonderfully productive variety. Fruits of medium size and varying in color; flesh deep orange yellow; matures early and can be used as a summer squash as well as for winter. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Boston Marrow. A very popular variety, productive and a good keeper. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

Perfect Gem. Excellent both as a summer and winter variety. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

Essex Hybrid or Turban. A cross between the Hubbard and Turban, with color, shape and quality of the latter, and dryness and hard shell of the former. The flesh is sweet and thick, and a bright orange color; long keeper. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Mammoth. Grows to a great size, often weighing 200 lbs.; good for stock. Pkt. 10c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Mammoth Whale. (New.) Very prolific, flesh solid, of an orange yellow color, and of excellent quality. Specimens have grown three feet long and weighed 100 lbs. A splendid winter keeper and well worth a trial. Pkt. 10c., oz. 25c., 2 oz. 40c., 4 oz. 75c., lb. \$2.50.



Red or Golden Hubbard Squash.

TOMATO. *Tomate, Fr. Liebes Apfel, Gr.*

For early crops sow the seed in a hot-bed in March; when two inches high transplant into pots or into another bed, and attend them carefully until all danger from the frost is past, then plant in hills four feet apart in a sheltered situation fully exposed to the sun, support them with brush to keep the fruit off the ground. This is a vegetable worthy of the most extensive cultivation. Two ounces of seed will produce enough plants for an acre.

Earliana. (New.) For description of this extra early variety see Vegetable Novelties, page 4. Pkt. 10c., oz. 50c., 2 oz. 90c., $\frac{1}{4}$ lb. \$1.50.

Bruce's Dominion Day Tomato. When we first offered this Tomato in 1897, we specially recommended it as the most profitable extra early variety that could be grown for market. It combines with its extreme earliness, large size, magnificent color (a bright red), and delicious flavor. It is not liable to crack, is very free from core, is almost smooth and a great yielder. Its qualification of extreme earliness makes it very valuable, and the largest growers have confirmed our estimate of its value by planting it very extensively. Pkt. 5c., $\frac{1}{2}$ oz. 20c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Bruce's Dominion Day Tomato.

Livingston's Beauty. Large, dark crimson, tough skin; fine market variety. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Imperial. Early, perfectly smooth, solid, and of the finest quality; in color a deep, rich red, tinted with purple. A handsome table variety. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Livingston's Aristocrat. This fine new variety in habit and growth and foliage resembles the Dwarf Champion, the color of its fruit, however, is a beautiful rich glossy red. Pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Bruce's Niagara. (New.) For description of this fine variety see Novelties, page 4. Pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., 2 oz. 70c., $\frac{1}{4}$ lb. \$1.25.

Atlantic Prize. A well-known extra early variety; largely grown for first crop. The fruit is solid and good quality. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Early Ruby. Extra Early. The peculiar open habit of the plant is a distinct feature of this variety, the sun having a better chance to reach and ripen the fruit than in more compact and upright sorts. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Royal Red. Main crop, very productive, of a rich, deep red color; it is deservedly popular with canners and catsup makers. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Matchless. A magnificent variety, of a rich, cardinal red color, entirely free from core, of large size, very uniform, smooth, and not liable to crack. It is early, a splendid shipper, keeps well, and for quality and solidity it is hard to beat. Pkt. 5c., oz. 30c., 2 oz. 50c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

Dwarf Champion. Quite distinct in foliage and habit of growth; the leaves thick and different from any other; growth compact and upright. The crop ripens very early and evenly, and resembles the Acme in appearance. Pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Success. (New.) See Novelties, page 4. Pkt. 10c., oz. 40c., 2 oz. 70c., $\frac{1}{4}$ lb. \$1.25.

Honor Bright. The vines are vigorous and foliage yellow. The clusters bear three to five large, symmetrical fruits on hard, woody stems. The skin is crack-proof. The color of the fruit, when fully ripe, is a rich, bright red, but before reaching this stage it undergoes several interesting changes. First it is a light green, then an attractive waxy white, then lemon, changing to red. It is especially recommended for shipping. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Mikado. Very large, smooth and solid; skin purplish red; has distinct and fine foliage. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

TOMATOES—Continued.



The Stone Tomato.

SMALL FRUITED TOMATOES.

The following varieties are useful both for preserving and pickling:

Red and Yellow, Pear Shaped. Pkt. 5c., oz. 50c.

Yellow Plum. Pkt. 5c., oz. 50c.

Red and Yellow Cherry. Pkt. 5c., oz. 50c.

Strawberry or Ground Cherry. Grows enclosed in a husk, excellent for preserves. Pkt. 5c., oz. 50c.

We can also supply the following varieties: The Peach. Early Conqueror and Large Yellow at 5c. per pkt., oz. 25c., 2 oz., 40c., 4 oz. 75c., lb. \$2.50; Plants of the leading varieties supplied. Prices on application.

TURNIP. *Naret, Fr. Rube, Gr.*

For early crops sow as early in the spring as the ground can be worked, in drills twelve inches apart, and thin to six or eight inches; for general crops to middle of August. They succeed best in light rich soil. Black loamy soil produces sweet-flavored ones.

Scarlet Kashmir. (New.) A distinct novelty of a deep rich crimson above, shading to a soft crimson rose below, and of excellent flavor. It is an extra early, strap-leaved variety, with large smooth, white-fleshed roots, of good keeping quality; smooth, thin, silky skin. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Early Nimble Dick. The earliest and most delicious table Turnip in existence; bulbs medium size, flat; color pure white. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Nimble Dick.

Red Top Strap Leaf.

Livingston's Perfection. A well-known early variety, which is more extensively grown for canning purposes than any other Tomato; blood red color, perfectly smooth; ripens uniformly, and is wonderfully productive. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Livingston's Favorite. Like preceding, it is a popular canning variety of a fine dark red color. It ripens evenly, is very prolific, good flavor, flesh solid, and bears shipping long distance. Pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Ignotum. Very early and prolific; color fine deep red, fruit smooth, heavy and solid and of delicious flavor. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

The Stone. Large, bright scarlet; smooth and solid, ripens up to the stem without a crack; an excellent main crop variety. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Golden Queen. Handsome, round, early and productive. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Ponderosa. This monster variety is smooth, of dark crimson color, all solid meat and fine flavor. Specimens have weighed 2 lbs. each. Pkt. 10c., oz. 40c., 2 oz. 70c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Lorillard. Splendid under glass. Pkt. 5c., oz. 25c., 2 oz. 40c., $\frac{1}{4}$ lb. 75c.



Ignotum Tomato.

Extra Early White Milan. It grows with wonderful rapidity, and is the earliest White Turnip in cultivation. Of splendid quality, small top and single-tap root, it is most attractive with clear white skin and flesh fine grained and tender. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Early Flat White Dutch. Size medium, of quick growth, juicy, excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Purple Top Strap Leaf. Flesh fine grained, rich and buttery flavored. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Bruce's Golden Ball. Skin bright yellow; flesh firm, sweet and well flavored. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Early White Stone. A very fine variety. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Laing's Improved Purple Top Swede. An excellent Turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Pkt. 5c., $\frac{1}{4}$ lb. 10c., lb. 30c.

White Swede. Flesh pure white, of extraordinary solidity and well flavored. Pkt. 5c., $\frac{1}{4}$ lb. 10c., lb. 30c.



Sweet Basil.

Sage.

Sweet Marjoram. Summer Savory.

Thyme.

POT, SWEET AND MEDICINAL HERBS.

IN PACKETS AT FIVE CENTS EACH.

Per oz.	Per oz.	Per oz.	Per oz.
Angelica..... 20	Caraway..... 15	Horehound..... 20	Rue..... 30
Anise..... 20	Castor Oil Plant..... 20	Hyssop..... 25	Saffron..... 20
Balm..... 25	Catnip..... 60	Lavender..... 15	Sage..... 15
Basil, Sweet..... 25	Coriander..... 15	Marjoram, Sweet..... 15	Savory, Summer..... 15
Basil, Bush..... 25	Dill..... 20	Marjoram, Pot..... 50	Savory, Winter..... 20
Borage..... 25	Fennel, Sweet..... 20	Pot Marigold..... 20	Thyme..... 20
Belladonna..... 50	Fenugreek..... 15	Rosemary..... 50	Wormwood..... 25

TREE AND HEDGE SEEDS.

Sow the seed moderately thick in the spring, just as soon as the ground is in good working condition, in beds three feet wide; then draw the soil with the back of the rake from the center of the beds to a uniform depth of two inches. Keep the beds free from weeds, and when the seeds begin to germinate lightly cover the bed with pine boughs to shade the young plants from the sun. When all are up, the boughs should be gradually removed in order to harden off the young plants; during the first winter cover the beds with pine boughs to protect the young plants from the snow and sun. Let the plants remain in the beds from two to three years, and then transplant into rows two and a half feet apart, leaving six to nine inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough remove them to where they are intended to remain.

Norway Spruce. We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, \$7.50 per 100; 18 to 24 inches, \$10.00 per 100; 24 to 36 inches, \$15.00 per 100; suitable for hedges and wind-breaks. Orders are requested to be sent in by the 1st of May.

Norway Spruce.....	oz.	15c,	lb.	\$1.25
Scotch Fir.....	"	20c,	"	1.50
Silver Fir.....	"	20c,	"	1.50
Sugar Maple.....	"	20c,	"	1.50
European Larch.....	"	25c,	"	2.00
Austrian Fir.....	"	20c,	"	1.50
Arbor Vitæ.....	"	25c,	"	2.00
Hemlock Spruce.....	"	50c,	"	6.00
Mulberry, White.....	"	25c,	"	2.50
Black Walnuts.....	bush,			1.00

Any of the above can be supplied at 10c. per packet.

SEEDS FOR HEDGES.

Sow the following in the fall, if convenient. If sown in spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills two feet apart, and when two years old transplant into rows two and a half feet apart and nine to twelve inches between each plant. Hoe frequently and keep free of weeds, and when two feet high transplant them to where you want them to remain.

Acacia, Three Thorned or Honey Locust. (<i>Gleditsia triacanthos</i> .) Very hardy and effective against man or beast; admirably adapted for the prairies.....	oz.	10c,	lb.	\$0.50
Buckthorn. (<i>Rhamnus Catharticus</i> .) Clean seed.....	"	20c,	"	1.50
Osage Orange. (<i>Maclura Aurantiaca</i>).....	"	10c,	"	0.75
Berberis. (<i>Berberis Vulgaris</i> .) Very hardy, producing a fine compact hedge, also valuable for its fruit, which is excellent for preserving.....	"	20c,	"	1.50

FRUIT SEEDS.

Apple Seeds.....	oz.	10c,	lb.	\$0.50
Pear Seeds.....	"	15c,	"	1.50
Quince Seeds.....	"	15c,	"	1.50
Peach Seeds.....	"		"	30
Plum Stones.....	"		"	30
Cherry Pits, Mahaleb.....	lb.			\$0.50
Currants, Red, White and Black.....	pkt.			10
Gooseberry, Red, Yellow and Green.....	"			25
Raspberry, Red and White.....	"			15
Strawberry, choice kind.....	"			25

BIRD SEEDS.

Carefully cleaned, fresh and free from all impurities. Special prices in quantity.

Canary.....	lb.	\$0.08	Song Restorer.....	bottle,	\$0.25
Maw.....	¼ lb.	10c.	Parrot Food.....	box,	20
Rape, German Sweet.....	"	8	Prepared Mocking Bird Food.....	tin,	30
Hemp.....	"	8	" Nestling Food.....	box,	25
Millet.....	"	5	" Fish Food.....	"	15
Sunflower.....	"	10	Moulting Pepper.....	"	25
Mixed Bird Seed.....	"	7	Manna or Bird Bread, large cake 10c., small cake.....	05	
Mixed Parrot Seed.....	"	10	Cuttle Fish Bone.....	oz.	5c., lb. 50

Bird Sand, 1½ lb. pkgs. 5c., 3 lb. pkgs. 10c.

Tree, Hedge and Fruit Seeds going by mail require postage to be added at rate of 5c. per lb. to Canadian points, and 20c. per lb. to Newfoundland and the United States. Bird Seeds, require postage to be added at the rate of 20c. per lb. to Canada, Newfoundland and the United States.

AGRICULTURAL SEEDS.

IN SUBMITTING our list of Farm Seeds we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers, from the time of planting until maturity and may be depended upon to give satisfaction, when due allowance is made for imperfections of weather, soil and cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who have, without intermission patronized us so liberally.



Sugar Beet, Field Carrot, Thousand Headed Kale, Mangel, Rape and Field Turnip, to be forwarded by mail require postage to be added to Catalogue prices at the rate of 5c. per lb. to all points in Canada, and 20c. per lb. to Newfoundland and the United States.

SUGAR BEET.

The demand for Sugar Beet Seed has more than doubled the past few years. Dairymen find when feeding to their cows a marked increase in the flow of milk and richness in the butter which are not so apparent when using other cattle foods. Hogs may also be fed to advantage on Sugar Beets. Sow from middle of April to the first of June, in drills two feet apart, then thin to nine inches in the row. Five pounds seed per acre.

Bruce's Giant White Feeding Sugar Beet. This grand feeding beet, introduced by us lately, has found great favor with all who has grown it. It combines the fine rich qualities of the sugar beet with the long keeping, large size and heavy cropping qualities of the mangel. The roots are clean and tops small, color white, white flesh, solid, tender and very sweet, and on account of the bigger part of its length growing out of the ground, they are easily harvested. This variety is a heavier cropper than our Rose but not quite so rich in sugar, however, the larger yield will more than offset the difference in quality. The past season some fine roots, weighing as much as 15 lbs., were exhibited, and we have no hesitation in recommending this fine variety as the best for stock feeding on the market at the present day. The roots are the largest, handsomest, most uniform and cleanest of all Sugar Beets, and this, combined with their richness and easy harvesting quality, makes them the "beau ideal" of a root for the farm. $\frac{1}{4}$ lb. 10c., lb. 30c., 4 lbs. for \$1.00.

Bruce's Giant Rose Feeding Sugar. This has all the good qualities of the above variety, only differing in the color, which is rose outside, though the flesh is white, and the roots are barely as large or heavy as the White. It will easily outyield all the older kinds of Sugar Beets and comes very close to that of the heaviest yielding mangels of the intermediate type. $\frac{1}{4}$ lb. 10c., lb. 30c., 4 lbs. for \$1.00.

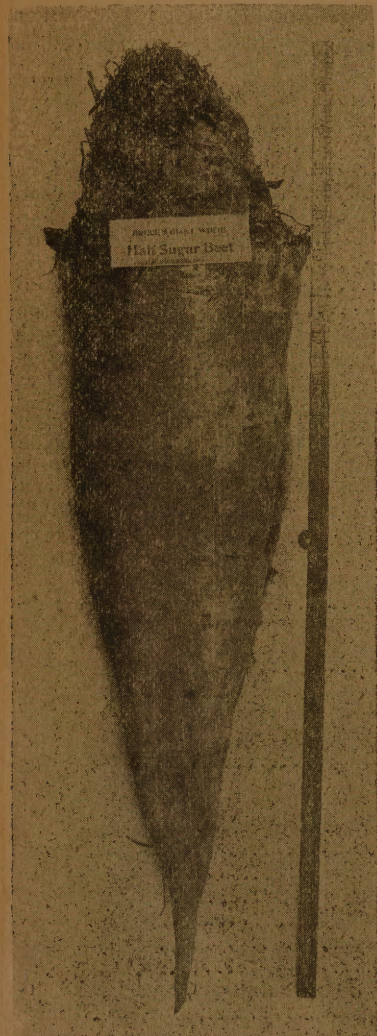
Danish Improved. Remarkably productive in rich soil under good cultivation, nearly approaching in yield the standard varieties of Mangel Wurzel. Roots clean, well-shaped, uniform in size, and of fine color. $\frac{1}{4}$ lb. 10c., lb. 30c., 4 lbs. for \$1.00.

White Silesian. (Lane's Improved.) Grows to a large size. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 60c.

Red Top Silesian. Large and productive. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 60c.

FIELD CARROT.

This is an indispensable root for the farm, and is deserving of more general cultivation. They succeed best in sandy soils; will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from the middle of April to the first of June, in drills 18 to 20 inches apart, and when about 3 inches high thin to 4 inches between each plant. Sow 3 pounds seed to the acre.



Bruce's Giant Feeding Sugar Beet.



Bruce's Mammoth Intermediate Carrot.

FIELD CARROT—Continued.

Bruce's Mammoth Intermediate Smooth White. This grand half-long Carrot is somewhat longer than the White Vosges and more uniform in shape. The flesh is pure white, solid, of the finest quality. It is the most productive and easily harvested; a splendid keeper. This carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. *We have every confidence in recommending it, and know our strain to be the equal of anything offered. From the Farmer's Sun, December 11th, 1901: "In the Ontario Experimental Union Tests, one of the striking features was that Bruce's Mammoth Intermediate Carrot gave a yield of 30½ tons per acre—a yield in excess of any other variety of roots except Long Red Mangel."* ¼ lb. 15c., lb. 50.

Large White Vosges. The root is large and very thick at the shoulder, much shorter than the White Belgian, and thus more easily harvested; skin and flesh pure white; a wonderful cropper and of excellent feeding quality. ¼ lb. 15c., lb. 40c.

White Belgian. (Improved.) A well-known variety, of fine quality; most profitable for field culture. ¼ lb. 10c., lb. 30c.

Long Orange Belgian. Superior in quality and a heavy cropper. ¼ lb. 15c., lb. 50c.

Intermediate Scarlet. Valuable for shallow soils. ¼ lb. 25c., lb. 75c.

Long Orange. Large, fine quality. ¼ lb. 20c., lb. 60c.

Altringham. Long, deep red color. ¼ lb. 20c., lb. 60c.

MANGEL WURZEL—Choice Selected Stocks.

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture. The weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of its best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this excellent root are invariably grown upon land which has been thoroughly cultivated and liberally manured.

The seeds should be drilled to secure uniform depth, at the rate of five to six lbs. per acre. Sow from the middle of April to the first of June, in drills two-and-a-half to three feet apart, and thin to 16 or 20 inches in rows. The intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding milch cattle it stands unrivalled. An average crop is 30 tons, and on some of the sewage farms in England the enormous yield of 80 to 90 tons per acre has been grown.

MANGEL WURZEL—LONG VARIETIES.—Section I.

The following are the best adapted for deep, rich, loamy soil:

Bruce's Gate Post. A select stock of the Mammoth Long Red. Roots remarkably large, smooth and perfect in shape. The most profitable of the Long Red varieties. Our stock cannot be excelled. Mr. Thos. Hines, Glanford, exhibited at Mount Hope exhibition this past season six Bruce's Gate Post Mangels, grown from our seed, which weighed 197 lbs., one weighing 41 lbs. This we think is a record. *We recommend this splendid variety with the greatest confidence. "In the trials at the Central Experimental Farm, Ottawa, for several years the Gate Post frequently headed the list."* ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.

Mammoth Long Red. A well known and popular strain. ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.

Long Red. Medium size, of good quality. ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.

Long Yellow. A good variety, producing large roots. ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.

GLOBE AND INTERMEDIATE SHAPED VARIETIES.—Section II.

Will succeed equally well with the above on light soil, but from the peculiar shape of the bulb may be grown on strong and even hard land with advantage where the former would fail to yield a satisfactory crop.

Golden Tankard. Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh forming constituents than any other mangel excepting Bruce's Giant Yellow Intermediate. ¼ lb. 10c., lb. 20c., 4 lbs 65c.

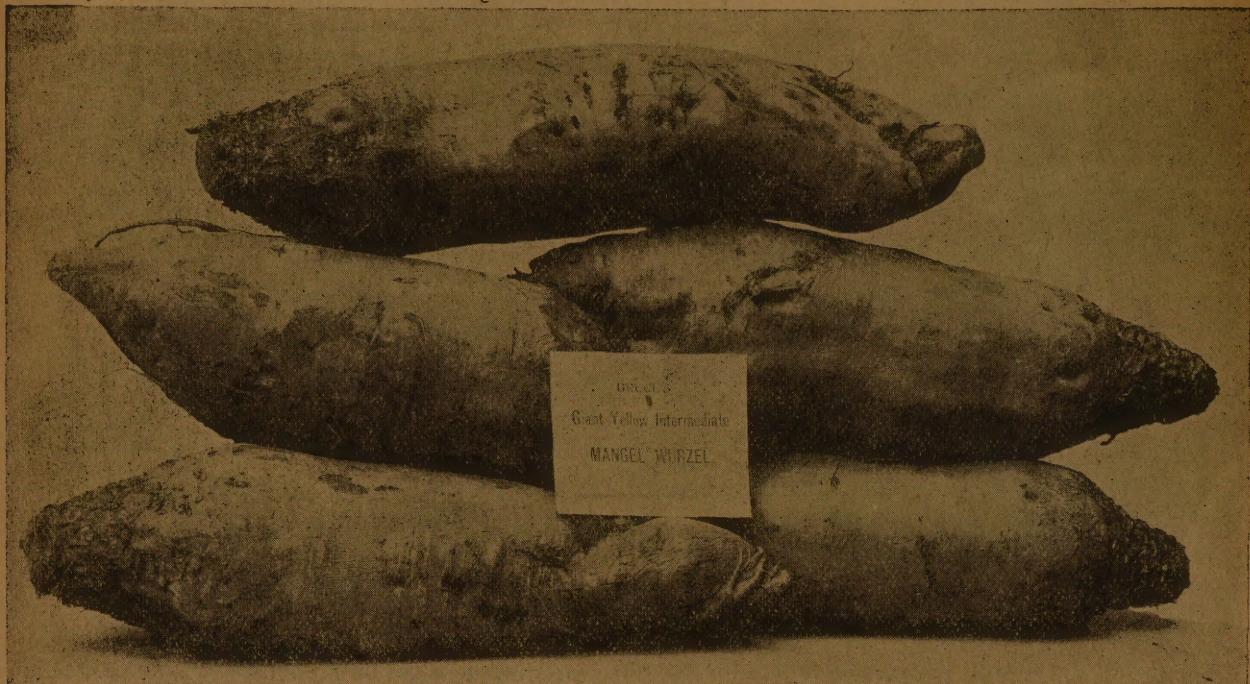
Mammoth Red Intermediate. Yields enormously. ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.

Yellow Globe. Very large and productive. ¼ lb. 10c., lb. 20c., 4 lbs. 60c.

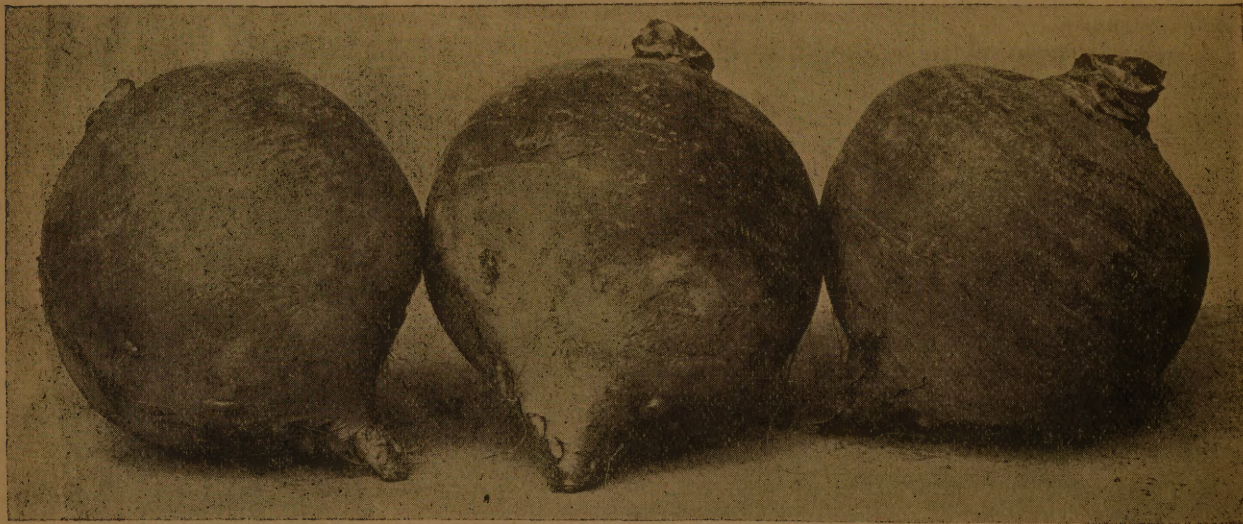
Red Globe. Large and fine. ¼ lb. 10c., lb. 20c., 4 lbs. for 60c.



Bruce's Gate Post Mammoth Long Red Mangel.

MANGEL WURZEL—Continued.**Bruce's Giant Yellow Intermediate Mangel.**

This grand Mangel, which we introduced in 1891, is without a doubt the favorite with all cattle men at the present day, and there has been such an increase in the demand each successive year that we have usually sold out entirely before the close of the season, though we estimated that we had ordered enough to provide for the increase each season. This fine variety now stands on a par with our Gate Post Mammoth Long Red Mangel in quantity sold. The large size of the roots, their uniformity, handsome shape, bright, smooth yellow skin, flesh of the most solid texture, nutritious, and splendid keeping qualities makes it the most valuable introduction of recent years. While in point of size they will not equal the best of the long varieties, yet in the yield per acre they have frequently produced as much, and in richness they far exceed the best long varieties, added to which they are much more easily harvested, about half of their length being above the ground. We have kept our stock fully up to the original high standard, and it will pay every grower to procure our grand strain of this unequalled variety. $\frac{1}{4}$ lb. 10c., 1b. 20c., 4 lbs. for 60c.

**Bruce's New Century Swede Turnip.****TURNIP SEEDS.**

The Turnip is now one of the most important crops grown on the farm, and its success no doubt depends greatly on the preparations of the soil, and the judicious application of manure, but not less so on the quality of the seed and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion as to the excellence of our Turnip Seed, affords us satisfactory evidence as to the superiority of our stocks and the success that has attended our efforts. Sow in drills; two pounds to the acre.



SWEDE TURNIPS—Continued.

Bruce's New Century Purple Top. After carefully testing this variety we have no hesitation in offering it as one of the very best shipping varieties on the market, while for cooking purposes it excels all the ordinary Swedes. It is a purple-topped Swede, resembling the Westbury, of splendid uniform growth and of fine quality, and the roots are clean and well shaped. It is the best Swede we know of to resist mildew, and is a heavy cropper. The roots photographed weighed 7 lbs. each and were a good average of the crop, which was a heavy one; the roots were clean, splendid color and very uniform. $\frac{1}{4}$ lb. 10c., lb. 30c., 4 lbs. for \$1.00.

Bruce's Selected Purple Top. This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed. It is a grand shipping variety, of splendid quality and a great favorite, and our stock is fully up to the past high standard and cannot fail to give entire satisfaction. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 75c.

Improved Hall's Westbury. A well known standard purple top variety of handsome appearance, fine quality, large and solid, a grand keeper, and one of the best shipping turnips grown. We are satisfied that no better stock of this grand variety can be obtained anywhere, and as this is one of our best selling varieties we have spared no pains to get the very best stock in the market. *On page 32 will be found a photograph of a monster Westbury Turnip grown from our seed by Mr. W. O. Smith, Ancaster. The seed was sown May 9th and the Turnip was lifted Oct. 17th. Trimmed up as shown it weighed 27 lbs., which we think beats all Canadian records.* $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Elephant or Monarch. We offer a grand stock of this handsome tankard-shaped variety, which matures early. The upper part of the root is dark purplish crimson, the flesh deep yellow, solid and nutritious, producing more weight to the acre than any other variety. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 75c.

Magnum Bonum Purple Top. A fine new Swede, of large size, fine color, and extra good quality; a heavy cropper. Recommended by the Ontario Agricultural College. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

Carter's Imperial Purple Top. One of the hardiest and best keeping Swedes. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Royal Norfolk Purple Top. A heavy cropper and a good keeper. We consider this variety one of the best on our list for strong, heavy land. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Drummond's Purple Top. A selected Scotch variety of great excellence; globular in shape, large, solid and of finest quality. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. 70c.

East Lothian Purple Top. An excellent Scotch variety. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Skirving's Improved Purple Top. This is a most robust grower and heavy cropper, but runs to neck on rich ground. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. 70c.

Sutton's Champion Purple Top. Recommended for size and fine quality. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Sharpe's Improved Purple Top. A very heavy cropper, with small top, thin neck. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Shamrock Purple Top. A good cropper. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

Bangholm Purple Top. A very large and handsome variety. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for 70c.

New "Kangaroo". A very hardy Swede, similar in size and growth to the Elephant; color a bronze green, possessing the heavy cropping features of the famous Elephant or Monarch, with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed, and is consequently cold and backward. $\frac{1}{4}$ lb. 10c., lb. 20c., 4 lbs. for \$1.00.

Hartley's Bronze Top. Small neck and single tap roots, very rich in quality and a first-rate keeper. A great favorite in some sections and demand constantly increasing. Our stock is very fine. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

Fettercairn Green Top. Will keep sound longer than any other variety; fine quality. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

White Swede. Remarkable for its nutritious properties, hardness and long keeping. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

Laing's Improved Purple Top. The finest Swede for table use. $\frac{1}{4}$ lb. 10c., lb. 30c., 4 lbs. for \$1.00.

{ Add Postage when Field Seeds
are Required by Mail.

YELLOW FLESHED TURNIPS.

May be sown from the first week in July to middle of August, either after it is considered too late for Swedes, or on land of not sufficiently good quality to produce Swedes, or when there is an absence of a supply of manure.

Green Top Yellow Aberdeen. A hardy and excellent variety. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

Purple Top Yellow Aberdeen. Similar in quality to above. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

WHITE FLESHED TURNIPS.

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

White Globe. Grows very large; is early and of fine quality. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. for 80c.

Grey Stone. Grows to an immense size; is early, hardy, excellent quality. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. 80c.

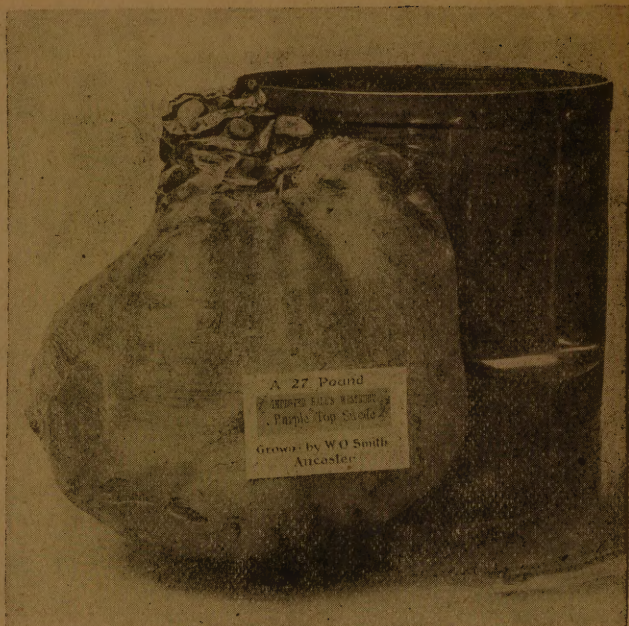
Improved Purple Top Mammoth. Grows to a large size and keeps well. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. 80c.

Red Globe Norfolk. Skin red where exposed to sun, white under ground, flesh white, medium size, should be fed early. $\frac{1}{4}$ lb. 10c., lb. 25c., 4 lbs. 80c.

Red Top Strap Leaf. A rapid grower; valuable variety for late sowing. $\frac{1}{4}$ lb. 15c., lb. 40c.

Cow Horn. Roots long, flesh white, fine grained; matures quickly, half its length above ground. $\frac{1}{4}$ lb. 15c., lb. 40c.

White Stone or Stubble. A well-known and excellent variety. $\frac{1}{4}$ lb. 20c., lb. 50c.



Monster Hall's Westbury Turnip.

**THOUSAND HEADED KALE.**

For the purpose of the sheep farmer there is no forage crop equal to this, both as regards its productive qualities, nutritive value and hardness, withstanding severe frosts. In Britain it is largely supplanting Sowing Rape, which it largely outyields. Sow early in April up to midsummer, 3 lbs. to acre broadcast or 1 lb. to acre in rows 18 inches apart. It grows very rapidly, 3 to 4 feet high, branches out right from the bottom, and is covered with small whorls of leaves, and after being fed off it grows with increased rapidity. The roots penetrate to a great depth, so that drouth does not affect it. It is greatly relished by hogs, cattle and sheep, and is well worthy of a trial. $\frac{1}{4}$ lb. 15c., lb. 40c., 5 lbs. for \$1.75.

SOWING RAPE.

Largely grown for soiling purposes; it is also excellent food for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowings, beginning in May, will insure crops from August onward.

Broad Leaved Essex. Lb. 10c., 10 lbs. 70c., 25 lbs. 1.

BARLEY.

Success. A new and distinct variety, quite beardless, and fully a week or ten days earlier than any other barley. Height same as common, but straw better, and stands up on any land; a good yielder; six-rowed Peck 20c, bushel 70c.

Improved Six-rowed " 20c, " 65c.

Mandscheuri. The best standard variety " 20c, " 70c.

White Hulless. Beardless; grows quickly; 60 lbs. to bushel; good yielder " 30c, " \$1.10

Above Varieties 10c. Per Lb. Postpaid to Canadian Points.
Prices Subject to Market Fluctuations.

BEANS—Field.

Where the soil is suitable, beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties:

Medium White or Navy. The standard variety.. Peck 70c, bushel \$2.40

White Pea. A splendid cooking variety..... " 70c, " 2.40

White Marrowfat. Very large; fine quality..... " 80c, " 2.75

Above Varieties 15c. Per Lb. Postpaid to Canadian Points.
Prices Subject to Market Fluctuations.

BUCKWHEAT.

Silver Hull. The leading variety..... Peck 20c, bushel 75c.

Japanese. Very large and productive..... " 20c, " 75c.

Common..... " 20c, " 70c.

Above Varieties 10c. Per Lb. Postpaid to Canadian Points.
Prices Subject to Market Fluctuations.

BROOM CORN.

Succeeds in good deep soil; it is very sensitive to cold.

Long Bush Evergreen. Lb. 15c., 10 lbs. \$1.00. If by mail add postage.

CORN—Field Varieties.

Compton's Early Twelve-Rowed Yellow. From its earliness and productiveness, this variety has given great satisfaction; it is also highly recommended as a fodder corn. Shelled, peck 35c., bushel \$1.10.

Mammoth Eight-rowed Yellow. Extra long, handsome ears, cob small, grain of the largest size, and very productive. We highly recommend it. Shelled peck 35c., bushel \$1.10.

Angel of Midnight. This is an extra early eight-rowed Yellow Flint variety; the grains are very large and compactly set on a very small cob. Shelled, peck 30c., bushel \$1.00.

Early Eight-rowed Yellow Flint. A well known variety. Shelled, peck 30c., bushel \$1.00.

Early White Flint. A very profitable variety. Shelled, peck 35c., bushel \$1.10.

Longfellow. A most desirable eight-rowed Yellow Flint variety. Shelled, peck 35c., bushel \$1.10.

King Philip. A favorite in some localities. Shelled, peck 35c., bushel \$1.10.

Above Varieties 10c. Per Lb. Postpaid to Canadian Points.
Prices Subject to Market Fluctuations.

Kaffir Corn. A non-saccharine sorghum fodder plant. It grows from 5 to 6 feet high, stocky and erect, wide foliage, and has the quality common to all sorghums, of resisting drought. Sow in drills, 5 lbs. seed to acre, and cultivate the same as common corn; or broadcast half bushel to the acre. Lb. 10c., 5 lbs. 30c., 100 lbs. \$4.00. If required by mail add postage.

CORN—For Fodder and Ensilage Purposes.

Our list of Corn embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder, and for use in the Silo for winter feeding. Dairying has become such an important industry in Canada that any new introduction that tends to increase the products of the cow is sure to attract attention, and for this reason dairymen are close observers of the varieties that produce the best results. For cutting green we believe the Evergreen Sweet Corn will be found the most valuable on account of its richness, while the Dent varieties are better adapted for the Silo, as they are less liable to become sour. **The Corn we offer has been specially grown for seed and the germination carefully tested.**

Red or Yellow Western Horse Tooth. Well-known variety, inferior to the white varieties. Per bushel, shelled, 75c.

Mammoth White Cob Ensilage. Similar to the Red Cob in every respect. Per bushel, shelled, 80c.

Mammoth Red Cob Ensilage. A well known variety of great productiveness and most nutritious quality, but not as early as the following varieties. Per bushel, shelled, 85c.

New White Cap Yellow Dent. Expert Corn growers pronounce it a perfect field corn, as to yield, size of ear, color, size of cob and growth of Fodder. It matures in 90 to 95 days. No corn yields as well on poor, thin land nor stands the drought as well. Per bushel, shelled, \$1.00.



New Barley Success.



Angel of Midnight Corn. ■

CORN—For Fodder and Ensilage Purposes—Continued.

Improved Leaming. A splendid variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature which enables it to stand until ripe. Per bushel, shelled, \$1.00.

Early Mastadon. This Early Dent variety has the largest number of rows on cobs and the longest grains of any corn so far originated. A strong and vigorous grower; very productive. Per bushel, shelled, \$1.00.

Evergreen Sweet Fodder. This is the sweetest and most nutritious of all the fodder varieties, and will be found most valuable for cutting and using as green fodder. Per bushel of 40 lbs., shelled, \$1.50.

Cuban Giant. A splendid fodder or ensilage corn for Canada. It outyields the Red Cob and is 10 days earlier; the fodder grows on the stalks in great quantities, and is of the finest flavor, almost as sweet as sugar corn. The grains are pure white, large, broad, long and of great vitality. Per bushel, shelled, \$1.00.

Cloud's Early Yellow Dent. Early, very prolific, strong and vigorous, growing from 8 to 10 feet high, producing large, handsome ears, with unusually deep grains. Per bushel, shelled, \$1.00.

Early Butler Dent. The fodder of this new sort grows up strong and rank. It roots deeply and withstands drought. Ears of good size. Matures in 90 to 100 days. Per bushel, shelled, \$1.00.

Above Varieties 10c. Per Lb. Postpaid to Canadian Points. Prices Subject to Market Fluctuations.

CLOVER AND GRASS SEEDS.

The large increase in our home and foreign trade made it imperative for us to introduce into our premises the most modern machinery, which is run by electric power, and we have now the perfection of appliances for turning out superior samples of Seed Grain, Clover and Grass Seeds. Increased sales, and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department; and our long connection with the best growers in the seed producing district gives us exceptional advantages in securing the best samples offered.

CLOVER SEEDS.

Few seeds vary so much in quality as Clovers, and it is of the utmost importance to the Agriculturist to procure really good seed, clean and free from weeds, and though such samples necessarily command higher prices than lower grades, we invariably send out the very best unless otherwise ordered. Fine samples, however, sow further, are cheaper and more satisfactory in the end. We strongly urge all farmers to pay the small extra charge for our "Fancy Qualities," as it is "penny wise and pound foolish" to buy anything but the best. So many country storekeepers buy inferior grades that we recommend farmers to send to headquarters for their supplies unless they can procure our "Fancy Qualities" from their merchants.

Clover Seeds being subject to constant variations, prices will be ruled by the market. Write for special prices by the peck and bushel.

Common Red. A well-known variety. Per lb. 15c.

Mammoth Red or Pea Vine. Valuable for ploughing under for manure. Per lb. 15c.

Yellow or Trefoil. Valuable for pasture. Per lb. 15c.

White Dutch. Highly esteemed for permanent purposes. Per lb. 25c.

White Dutch. Extra selected for lawns. Per lb. 30c.

Lucerne, French, Alfalfa or Chilian. This is an invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. It should be sown from the middle of April to the middle of May, in drills 12 inches apart, and may be cut three or four times a year. It thrives upon any soil where drainage is good, and as the roots penetrate the soil to a great depth, reaching the moisture, it continues green in the driest weather. Sow 15 to 20 lbs. to the acre. Per lb. 20c.

Bokhara. (Melilotus Alba.) A very vigorous growing variety; blooms early in August; about two feet high. Sow in Spring. The flowers are white and very sweet scented, very valuable for bees. Per lb. 25c.

Alsike. (Trifolium Hybridum) Excellent for low lands. Per lb. 20c.

Crimson or Scarlet Clover. (Trifolium Incarnatum.) Is an annual. The great mission of **Crimson Clover** is to furnish an abundance of most nutritive foliage at seasons when our pastures are dead. It is the source of an unfailing supply of manure—in fact, it solves the problem of cheap manuring. Improves poor land and restores to fertility those that are worn down by excessive cropping. **Crimson Clover** grows at all times except when the ground is frozen. May be sown in spring, summer and fall. Splendid for re-seeding Red Clover that has been winter killed. This Clover is extensively grown in the United States, and we give the latest methods adopted there for its cultivation, etc. Sow 12 to 15 lbs. broadcast per acre, cover light. All soils and situations seem to suit it. Try it on your poorest. If sown early it makes superior fall and spring grazing, and afterwards a good crop to mow. It is about 15 days earlier than Red Clover, and as a fertilizer, one acre represents as much value as twenty tons of stable manure. Per lb. 10c.



Lucerne Clover.



Crimson Clover.

Clovers and Grass Seeds going by mail require 5c. per lb. additional for postage to all Canadian points, and 20c. per lb. to the United States and Newfoundland. When ordering Grains, Clovers and Grass Seeds by the bushel, remit 18c. each for 2 bushel cotton seamless bags.

GRASS SEEDS.

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES SUBJECT TO MARKET FLUCTUATIONS. SPECIAL PRICES BY THE BUSHEL.

Red Top Grass. (*Agrostis Vulgaris*.) A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Best for low ground. Sow two bushels to the acre; weight per bushel 14 lbs. Lb. 10c. Fancy for lawns, 15c. lb.

Bromus Inermis. Hungarian Forage Grass. A hardy, strong growing, deeply rooted species, which has proved highly suitable for Manitoba and the North West. Sow 20 to 25 lbs. to the acre. Per lb. 15c.

Sweet Vernal Grass. (*Anthoxanthum Odorum*.) (Perennial.) For a pasture mixture it is valuable on account of its vernal growth, and the fragrant odors which the leaves emit when dry; sow 35 lbs. to the acre. Lb. \$1.35.

Meadow Fescue. (*Festuca Pratensis*.) A highly valuable species for permanent grass lands; it does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in the quality of its productiveness and nutritive matter; relished by stock both in hay and pasture. Sow 40 lbs. to acre. Lb. 50c.

Orchard Grass. (*Dactylis Glomerata*.) A valuable grass on account of the quality of nutritious feed, which it yields, and the rapidity with which it grows after being cut or grazed; it is well adapted for growing under trees or in orchards. If allowed to stand for hay it has rather a coarse appearance, but if grazed it has always a fresh green hue. Sow two bushels to the acre; weight per bushel 14 lbs. Per lb. 20c.

Foxtail, Meadow. (*Alopecurus Pratensis*.) One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness; it is particularly adapted for moderately stiff clay and heavy soils: 30 lbs. to acre. Per lb. 30c.

Italian Rye Grass. (*Lolium Italicum*.) One of the most valuable grasses in Europe, being considered the best grass to cut green for soiling, affording repeated large and nutritive crops. Sow 3 bushels to the acre; weight per bushel 18 lbs. Per lb. 10c.

English Rye Grass. (*Lolium Perenne*.) One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow three bushels to the acre; weight per bushel 22 lbs. Per lb. 10c.

Timothy. (*Phleum Pratensis*.) A grass so well known needs no description. Sow 12 lbs. per acre. Per lb. 10c.

Canadian Blue Grass. (*Poa Compressa*.) A valuable native grass which should be in all pasture mixtures; it will do well on dry soils, or even on clay, hard trodden, or poor soils. On account of creeping root stalk it forms a splendid turf. Lb. 10c.

Kentucky Blue Grass. (*Poa Pratensis*.) It thrives on a variety of soils, but does best in dry and somewhat shady locations; very valuable, as it will stand the hottest summers. Sow three bushels to the acre; 14 lbs. per bushel. Per lb. 15c.

Oat Grass. (*Avena Elatior*.) Is most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late in the season. Per lb. 25c.

Sainfoin. (*Hedysarum Onobrychis*.) Useful fodder plant. Lb. 15c.

Bruce's Mixture of Permanent Grasses and Clover
Seeds for laying down Land to Pasture.

When ordering permanent Grass Seeds it is necessary that our customers should describe the nature and situation of the soil, sub-soil, etc., and state whether they are to be sown with or without crop. Our mixtures are composed of the best Clovers and Grasses, and arranged in proper proportion to suit the various soils for which they are intended, our aim having always been to produce a rich and nutritious herbage in the shortest possible time. Quantity per acre, 25 lbs. Price per acre, \$2.50 to \$3.00, according to quality.

Below we give the Ontario School of Agriculture (Guelph) formula of Grasses and Clovers for Permanent Pastures:

Six lbs. Meadow Fescue, 3 lbs. Timothy, 2 lbs. Canadian Blue Grass, 3 lbs. Orchard Grass, 3 lbs. Red Top Grass, 4 lbs. Lucerne Clover, 1 lb. White Dutch Clover, 1 lb. Alsike Clover, 2 lbs. Red Clover; total, 17 lbs. Grasses and 8 lbs. Clovers being the quantities required for an acre. Price, \$3.50 for 25 lbs.; per lb. 15c. Reduced prices for large quantities.

MILLETS.

Annual forage plants, valuable for furnishing green fodder and hay in from 60 to 90 days from sowing, producing on good soils extraordinary yield of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from $\frac{1}{4}$ to $\frac{3}{4}$ bush. per acre.



Bromus Inermis.

Common Millet. (*Panicum Miliaceum*.) Very early; height, two to three feet; foliage very broad and very abundant; heads very open, branching panicles, seeds glossy, oval and somewhat flattened. Peck 25c., bush. 90c.

German or Golden Millet. True. Medium early; height, from three to five feet; heads closely condensed; spikes very numerous; seeds round, in rough, bristly sheaths. Peck 50c.; bush. \$1.75.

Hungarian (Grass) Millet. (*Panicum Germanicum*.) Early; height, two to three feet; abundant foliage and slender heads; withstands drought and yields well on light soils. Peck 25c., bush. 90c.

New Japanese. Very heavy yielder. Grows about 6 feet high; covered with leaves; very juicy; an excellent green food and valuable when cured for Silo. Sow 15 lbs. to acre broadcast or 10 lbs. in drills. Also called "Billion Dollar Grass." 1 lb. 10c., 10 lbs. 80c., 25 lbs. \$1.75. If by mail add postage.

Above Varieties 10c. Lb. Postpaid to Canadian Points. Prices Subject to Market Fluctuations

Bruce's Select Mixture of Grass Seeds for Lawns.



The annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Golf, Cricket and Lawn Tennis Grounds.

Our Mixture is composed of grasses specially selected to produce a close evergreen sod, calculated to withstand to the best advantage the summer heat, and sufficiently hardy to live through the extreme frosts of our northern winters. The greatest care is exercised in the selection of our grass seeds to use only such samples as are absolutely free from weeds, as it is generally found in the preparation of a new lawn that weeds indigenous to the soil are too plentiful without sowing them in a lawn mixture. A top dressing of thoroughly rotted manure in the fall, and a good sprinkling of bone dust in the early spring, with the addition of a light seeding, are great aids in the preservation of the sod. Sixty pounds of seed is sufficient for an acre, and one pound will sow a plot 15 by 20 feet, or 300 square feet. 20c., per lb; postpaid to Canadian points, 25c., per lb.

Bruce's Special Mixture for Shady Places. 25c., per lb; postpaid to Canadian points, 30c., per lb.

Pure White Dutch Clover for Lawns. 30c., per lb; postpaid to Canadian points, 35c., per lb.

COW PEAS

Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Pea is superior, especially for medium or light soil. They should be sown in the month of May, at the rate of $1\frac{1}{2}$ bushels to the acre, and plowed under as soon as they have attained their full growth. While this crop is very largely grown wherever known, with the results attained from it, the wonder is, that it is not grown ten times as much as at present. There is no surer or cheaper means of improving poor soil than by sowing Cow Peas. In its capacity as a nitrogen gatherer its growth largely enables the farmer to dispense with the use of nitrogen or ammoniated fertilizers. The stalk and leaves fed green make excellent fodder. They have been grown with marked success by many of the leading fruit growers in this district during the past two seasons.

Whippoorwill. The favorite variety. lb. 10c., 5 lbs. 30c., peck 60c., bushel \$2.00.

Clay. A good standard sort. lb. 10c., 5 lbs. 25c., peck 50c., bushel \$1.75.

Postpaid to Canadian Points, 15c. per lb., 5 lbs. for 60c.

Prices subject to market fluctuations.

FIELD PEAS

Golden Vine. The favorite variety, early, good straw and a splendid yielder. 30c. peck, \$1.10 bushel.

Grass or Bug Proof. Must be sown early, good yielder but not as much straw as the Golden Vine. 35c. peck \$1.25 bushel.

Blue Prussian. Very prolific and excellent for boiling. 35c. peck, \$1.25 bushel.

White Marrowfat. Prolific with large pods filled with large peas. 45c. peck, \$1.50 bushel.

Black Eyed Marrowfat. Equal to the white variety. Peck 45c, bushel \$1.50.

Above varieties 10c. per lb. postpaid to any Canadian address.

Prices subject to market fluctuations.

Remember when ordering Grass Seed, Clover and Grain to remit for cotton bags.



Black Tartarian

OATS.

A CHANGE OF SEED ALWAYS PAYS.

Bushel

- Black Tartarian.** The favorite black oat, early and a good yielder; our stock is first year from Imported Pedigree Stock. \$ 0 55
- Giant Goanette.** Very productive; best suited for heavy lands. 50
- Giant Swedish, or Golden Giant Side Oat.** Grows from 4 to 5 feet high, with strong, yellow, bright straw; panicles are of great length, and the grains closely set, and enormously productive, many heads having been found containing over 250 grains. 50
- Holstein Prolific.** This is a White Oat with large branching open head; grows 4 to 4½ feet high, with fine, clean, bright straw, panicle close and completely covered with close set grains. 50
- Ligowo.** Very early; grain white, plump and heavy; straw stiff, clean and of medium length, a vigorous grower and exceedingly prolific 50
- Sensation.** Very early; straw stiff and bright; head long open and pyramidal; grain plump and heavy, very productive. 50
- White Australian, New Zealand, or White Russian.** An old favorite, productive and of good quality. 50
- American Banner.** The grain is white of medium size, plump and even, the straw stands up well. We recommend it highly. 50
- Siberian White.** A very early most productive variety; claimed to be rust proof; straw is stiff and strong, grain handsome, plump and valuable for feeding on account of its thin hull. 50
- Black Tartarian.** Imported Scotch pedigree stock. A grand oat and splendid yielder. I 20
- Any of the above varieties, postpaid to Canadian points, 5 lbs. for 50c.

EARLY SOY OR SOJA BEANS.

This variety ripens in Canada. It grows nearly four feet in height, heavily podded, and has yielded over ten tons per acre. It is said to be a very valuable fodder variety, either for curing, feeding green or for the silo in mixture with Corn. It is a rich, nitrogenous food, is unsurpassed as a flesh former, and, like the Clovers, is a soil improver. Sow broadcast 30 lbs. per acre. or plant in drills 3 ft. apart 1 ft. between plants. Lb. 15c., peck \$1.10, bushel \$4.00; postpaid to Canadian points, 20c. lb., 5 lbs. for 75c.

SPELTZ

It is claimed by the introducer that this new grain is superior to all other grain for fattening sheep, poultry, cattle, horses, pigs, etc. It is excellent for pasture, and can be fed in a green state also; grows well and produces large crops on poor soil, while dry weather appears to have no effect on it. It is a wonderful stooler. Prepare land as for any other grain, and sow about 60 lbs. to acre; cut when the grain is past middle stage of milk; thresh like wheat, only not so closely. Lb. 10c., peck 40c., bushel of 40 lbs. \$1.00; postpaid to Canadian points, 15c. per lb., 5 lbs. for 50c.

SAND OR HAIRY YETCH (*Vicia Villosa*).

It succeeds and produces good crops on poor sandy soils as well as on good land; grows to a height of four to five feet. It is perfectly hardy, remaining green all winter, and should be sown in the spring, mixed with oats, spring rye or barley; or during August and September, with winter rye, which serves as a support for the plants. It is the earliest crop for cutting, being hardier and nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops. It is exceedingly nutritious, eaten with relish, and may be fed with safety to all kinds of stock. Sow 50 to 60 lbs. per acre with one-half bushel of rye, oats or barley. Lb. 15c., peck \$1.30, bushel of 60 lbs. \$4.80; postpaid to Canadian points, 20c. lb., 5 lbs. for 75c.

SPRING WHEAT

Manitoba Red Fife. Of splendid quality, and very productive; peck 30c., bushel \$1.10.

Manitoba White Fife. Similar to above except in color; peck 30c., bushel \$1.10.

Colorado. A great favorite in some sections; pk. 25c., bus. 90c.

Rio Grande. An excellent all round variety; pk. 25c., bus. 90c.

Wild Goose. Very productive, bearded head with white chaff straw stiff, grain hard and flinty, midgeproof; pk. 25c., bus. 85c.

FALL WHEAT

Bruce's Scottish Chief
Bruce's Coronation
New Prosperity

New Clawson Longberry
Longberry No. 1
New Mogul

Arcadian
Ped. Genesee Giant
Early Red Ontario

Red Clawson
Dawson's Golden Chaff

Our Fall Wheat Circular, which we published in August, will contain a list of the best varieties of recent introduction with prices, and will be mailed free to all applicants.

NEW COTTON BAGS

	Each	Per doz.	Per 100		Each	Per doz.	Per 100
Smith Mills, W.	17c	\$2 00	\$16 00	Eagle B	23c	\$2 70	\$21 50
X	19c	2 25	18 00	Stark Mills	25c	2 90	23 50
Spring Grove, B	21c	2 45	19 50	Hochelaga A.	25c	2 90	23 50

Three supplied at dozen rate; 25 at hundred rate.

MISCELLANEOUS

Flax Seed. Choice screened; lb. 5c., 100 lbs. \$3.25.

Flax Seed Meal. Pure; lb. 5c., 100 lbs. \$3.75.

Lentils. For soup; lb. 15c., 2 lbs. 25c.

Oil Cake. Fine ground; 10 lbs. 25c., 100 lbs. \$1.50.

Rye. Spring; peck 30c., bushel \$1.10.

“ Fall; peck 20c., bushel 65c.

Sugar Cane. Early amber; lb. 15c., 100 lbs. \$7.50.

Sunflower. ¼ lb. 5c., lb. 10c.

Tares. Spring black; peck 45c., bushel \$1.50.

Tobacco. Conn'cut Seed Leaf; pkt. 5c., oz. 25c., lb. \$2.

“ White Burley; pkt. 5c., oz. 25c., lb. \$2.00.

Wild Rice. ¼ lb. 10c., lb. 25c., 100 lbs. \$20.00.

Postage at the rate of 5 cents per lb. to Canadian points, and 20c per lb. to Newfoundland and the United States, must be added to the above prices if required by mail.

PRICES ON THIS PAGE NOT GUARANTEED. SUBJECT TO MARKET FLUCTUATIONS.

FLOWER SEEDS.

A FEW BRIEF, PRACTICAL DIRECTIONS ON THEIR MANAGEMENT.

To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seed are annually destroyed for the want of a little skill and forethought. Inattention to or want of skill in watering, is undoubtedly the main source of failure, a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life. Amateurs especially are reminded that there can be no fixed time for watering; the surface of the soil must never be allowed to become quite dry, neither must it at any time be decidedly wet, and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED INTO THE FOLLOWING SECTIONS:

ANNUALS, BIENNIALS, PERENNIALS.

Annuals. Plants which require to be sown annually, as they live and bloom only one season.

Biennials. Plants which do not flower until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed and some of the finest varieties are continued by cuttings.

Perennials. Plants which continue to grow and bloom annually.

Annuals are called either *hardy*, *half-hardy* or *tender*. Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly levelled, and the seed sown either in small patches, each kind by itself or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals are applied to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth, many of them are of great beauty and interest, and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of a greenhouse or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the greenhouse or plunging them into a moderate hot-bed, carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted and planted either in different parts of the garden or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of them will flower the next summer.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot beds, composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the dung is a matter of great importance and if the bed be expected to retain its usefulness for any length of time, it should be well worked previous to being used. If obtained fresh from the stable yard and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the bed may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use, but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

BRUCE'S 25 CENT FLORAL COLLECTIONS.

The following collections of Flower Seeds are arranged specially for the benefit of purchasers who find difficulty in making a selection where there are so many varieties in a class to choose from. Each collection contains an assortment of the most brilliant shades, giving the greatest diversity of color obtainable, and all are selected from our choicest strains. We offer them at half our Catalogue price to encourage the more general cultivation of flowers and to disseminate a knowledge of the different varieties. We have been so successful in capturing the public taste with our selections that we feel a degree of pride in referring to it, and it is our intention to maintain the standard of perfection; for if the charm were once broken our heart's ease would be gone forever.

BRUCE'S COLLECTION OF FLORAL GEMS

contains the following liberal and choice selection:

Sweet Alyssum, sweet scented,
Antirrhinum, finest mixed.
Scarlet Flax, splendid for cutting.
Larkspur, many varieties.
Dianthus Pinks, single and double.
Marigold, choice mixed.
Petunia, striped and blotched.
Zinnias, large flowering mixed.
Pansies, fine mixed.
Eschscholtzia, all colors.

Ten beautiful varieties for 25 cents.

BRUCE'S EMPIRE COLLECTION OF ASTERS.

Queen of the Market, very early.
Truffaut's Perfection, finest mixed.
Crown, with white centre, very attractive.
Victoria, an exquisite flower.
Giant Comet, flower large and of fine form.
Late Branching, highly prized for cutting.

Six superb varieties for 25 cents.

BRUCE'S ROYAL NOSEGAY OF SWEET PEAS.

Mont Blanc	Mrs. Eckford
Salopian	Countess of Cadogan
Countess of Lathom	Othello
Majestic	Earliest of All
Countess of Radnor	Venus

Ten grand varieties for 25 cents.

BRUCE'S PEERLESS COLLECTION OF DWARF NASTURTIUMS.

Ardoise, yellow and slaty-mauve.	
Bronze	Yellow
Violet	Lilli Schmidt, scarlet.
Golden Queen, yellow foliage, golden yellow flower.	
Prince Henry, light yellow and scarlet.	
Empress of India, crimson.	

Eight of the finest varieties for 25 cents.

BRUCE'S PEERLESS COLLECTION OF TALL OR CLIMBING NASTURTIUMS.

Crimson	E. Otto, brownish lilac.
Vesuvius, salmon rose.	Scarlet
Oriental, orange and pink.	Moonlight, pale straw.
Von Moltke, ruby rose.	Yellow

Eight of the best tall or climbing sorts for 25 cents.

Floral Novelties for 1902.

THE DESCRIPTIONS GIVEN ARE THOSE OF THE RAISERS.



Double Primula Obconica.

Double Primula Obconica.

The success of the Primula Obconica has been so great that it surely will extend to this new double form which we offered two seasons ago for the first time. The flowers are produced in large trusses borne on stout stems and rising well above the foliage; the individual flowers are of good size, well filled, and a very delicate shade of light rosy lilac. By its elegant foliage and the extraordinary abundance of the flowers which are produced in succession for a very long time, this new variety will be found invaluable for decorating apartments and conservatories. Pkt. 50c.

Primula Stellata.

A very beautiful class of Primulas, remarkable for their light, graceful habit, and soft, delicate colors; they bear loose pyramids of starry, smooth-petalled flowers, set off by a very elegant foliage. As pot plants for the greenhouse and table decoration they are particularly serviceable, and for cut flowers they are invaluable. Pkt. 25c.

New Salvia Splendens.

LITTLE LORD FAUNTLEROY.

This new variety grows only 18 inches high from the ground to the tips of the flower spikes, while the foliage rises no more than 10 inches from the ground, the 8-inch flower spikes standing erect and clear above the handsome dark green leaves. The plant is of very compact and bushy habit, being as broad as it is high, while the numbers, size and brilliancy of the flower spikes surpass anything ever seen in Salvias before. Pkt. 25c.

Primula Obconica Grandiflora Fimbriata.

A splendid new strain, the flowers, which are of the improved Grandiflora type, being exquisitely fringed, which make the flowers appear more graceful and adds to the general attractiveness of this popular Primula. The flowers, which are borne on large trusses well above the foliage, vary in color from white to bright rose. A free and constant bloomer. Pkt. 25c.

New Butterfly Cyclamen.

(*Cyclamen Persicum papilio.*)

The flowers of this magnificent new strain are of the largest size. The edge of the broad petals are fringed, fringed and curled, and the colors range from purest white through delicate pink to rose and crimson. Pkt. 25c.

Streptocarpus.

Cape Primrose. New hybrids. Highly decorative pot plants. They produce a continuous succession of large trumpet-shaped flowers, borne on erect slender stems, ranging in color through lavender, purple, violet, rose and red to pure white. Seed sown in January or February will produce plants which will come into bloom during the following June and July. Pkt. 15c.

New Pansy "Orchid Flowered."

We have pleasure in offering this new race, which we have succeeded in fixing by most careful selections for several years, embracing many interesting combinations of color not hitherto known in Pansies. The flowers themselves are of a peculiar shape, the upper petals stand upright and are laid out in small folds, which has led visitors to our grounds to find therein a resemblance to an Orchid flower. The shades of color are: Aurora, Chamois, Pink, Lilac, Orange, Rose, Terracotta. Pkt. 25c.



Streptocarpus, New Hybrids.

FLORAL NOVELTIES—Continued.

New Crown Giant Comet Aster.

New Giant Comet Aster—Crown Rose.

this novelty we have an important addition to the popular Comet Aster with its feathery form, large size and long flower stem. Crown Rose shows a pure white centre with the outer row of petals a charming rose pink, a most unique and beautiful combination. Pkt. 10c.

New Giant Comet Aster—Crown Violet.

This handsome variety is practically identical with the preceding, except in color, the flowers having a white centre while the outer rows of petals are a beautiful dark violet. Pkt. 10c.

New Aster "Sunlight"—Sulphur Yellow.

The finest of its color yet introduced, a true sulphur yellow, the flower which is borne on long stiff stems, are of fine form with somewhat shorter petals than those of the Jewel Aster, and measures 3 to 4 inches in diameter, height, 18 to 20 inches. Pkt. 15c.

AGERATUM**"Princess Pauline"**

"The best of known varieties, by reason of its dwarf and regular habit, not exceeding 7 inches in height, and the beauty of its skyblue flowers with white centre. The contrast of the blue and white is really exquisite. Not only are the flowers borne well above the foliage, but they are so numerous as to entirely hide the latter. Good for baskets, borders and carpet-bedding." Pkt. 10c.

New "Star" Petunia.

The ground color is dark crimson maroon, of a rich velvety texture. From the centre starts the points of a five rayed star, which broadens half way up narrowing to a point at the margin of the flower. This star is a very light bluish pink, some almost white, which deepens in color as it reaches the margin. The plants are free growers, branching freely and attaining an average height of 18 inches. They are remarkably prolific bloomers. Pkt. 15c.



Ageratum. "Princess Pauline."

Gaillardia Grandiflora Semi-Plena.

New semi-double flowering varieties of this showy and free flowering perennial. The immense flowers, mostly 4 inches across, show 3 or 4 rows of flat or quilled ray florets and vary in the different colorings of light or golden yellow, aureole or claret-red with a brownish purple disk. Very useful for cutting. A percentage of 60 per cent. of true plants may be expected. Pkt. 15c.

New Sweet Peas—Eckford's 19 oz. Set.

Coccinea. Soft cherry-red self colored flower; a new and distinct shade; very bright and attractive flowers of good size. Semi-hooded.

George Gordon. Bright claret-red; a self colored flower of the largest size. Hooded form.

Honble Mrs. E. Kenyon. Primrose. Self colored, large semi-hooded flower. This is the largest and best of the shade.

Lady M. Ormsby Gore. Standard buff and primrose; wings light primrose; the flowers are very large and of hooded form.

Miss Willmott. A grand flower of great substance, standard rich deep orange pink, wings rose with orange tint. Semi-hooded form. Flower stems long and stiff and plant very vigorous.

Prices of any of the above: pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

FLORAL NOVELTIES—Continued.

Hunnemania, the so called Bush Eschscholtzia.

The plants grow into a shrubby bush, 2 feet high, and produce large up-shaped flowers three inches across on stems 13 inches long. The color is of clear, bright yellow, the petals are broad and crinkled like crushed satin, and as cut flowers remain in perfection for a long period. Pkt. 10c.

Tall Ivy Leaved Nasturtium.

The leaves of this new variety are of a pleasing dark metallic hue, resembling the English Ivy, and are in striking contrast with the crimson scarlet flowers, comparatively small in size but of most distinct form, the petals being slender and finely feathered. Very useful for hanging baskets, window boxes, etc. Pkt. 10c.

Incarvillea Delevayi.

One of the most beautiful and interesting plants that has recently been introduced. The flowers which resemble a Gloxinia in shape, are produced on stout stalks, about 3 feet high, and are of a rosy-carmine color, spotted with yellow, the throat is brown. The leaves are thin and resemble in appearance a beautiful Fern. It is of easy culture, and it will bloom during the first year if the seed be sown in a cold frame very early in the spring. It proved hardy here with a protection of leaves. Pkt. 15c.

Arctotis Grandis.

A remarkably handsome new annual from Southwest Africa, growing luxuriantly and forming profusely branched bushes of about 2 to 2½ feet in height and breadth. The leaves are soft and whitish. Its flower-heads, borne on long stems and rising well above the foliage, are long and showy, from 2½ to 3 inches across; the ray florets being pure white on the upper surface, are embellished by a narrow yellow zone at their base; reverse of petals pale lilac. Under the influence of bright sunlight the flowers spread out almost flat, and the pure white of the ray florets contrasts beautifully to the light blue disk with its slightly projecting white stamens, a lovely combination of colors. Being of very easy culture, the plants produce their splendid flowers most abundantly and in constant succession from early Summer to the Autumn. Magnificent and prominent novelty. Pkt. 10c.



Hunnemania Fumariefolia.

Burbank's New "Shasta Daisies."

"To-day no other flowers can compare in extent of usefulness. Their first qualification is hardiness. They can be grown out of doors by everybody where it is not cold enough to kill oak trees. Second, they are perennial, blooming better and more abundantly each season. Third, they can be multiplied rapidly by simple division, and they are not particular as to soil. Fourth, they bloom for several months—in California nearly all the year. Fifth, the flowers are extremely large and graceful—averaging about a foot—often more in circumference, with three or more rows of petals of the purest glistening whiteness, on single, strong, stiff, wiry stems, nearly 2 feet in length." Pkt. 25c.



Arctotis Grandis.

Cyclamen Persicum Grandiflorum "Sunset."

A distinct and very charming variety obtained by us from the celebrated Bush Hill collection. The plant is of vigorous and compact habit, with elegantly marked foliage, and is very floriferous. The flowers, which are borne on stout erect stems well above the foliage, are large, well formed and of good substance, the color at the base being a glowing carmine crimson, while the upper part of the petals is shaded with a soft rich tint of bright salmon rose. It is a most desirable acquisition, which we cannot too strongly recommend. Pkt. 25c.

BRUGES FLOWER SEEDS

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES.

LIBERAL DISCOUNT ON FLOWER SEEDS IN PACKETS.

ALL WHO REMIT

\$1.00 may select to the value of \$1.25
\$2.00 " " " " 2.50

\$3.00 may select to the value of \$3.75
\$4.00 " " " " 5.00
\$5.00 " " " " 6.25

These discounts do not apply to collections or to seeds by the ounce.



Abronia

ABRONIA

A pretty creeping plant, with verbena-like heads of sweet-scented flowers. *Hardy annual.*

Umbellata. Grandiflora, delicate rose.... pkt. 5
Arenaria. Lemon yellow..... " 5

AGERATUM

Very valuable and showy bedding plants. If lifted in fall and placed in the parlor or greenhouse will keep up a succession of flowers during the winter. *Annual.*

Mexicanum. Blue..... per oz. 40c., pkt. 5
Dwarf Blue. Azure blue; very floriferous. " 5
Dwarf White. Extra fine..... " 5
Princess Pauline. See novelties page 40.



Abutilon

Free flowering, useful, pretty little plants for beds, edgings and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance. *Annual.*

Sweet Alyssum Height, $\frac{1}{2}$ ft..... Per oz. 30c., pkt. 5
Little Gem. Dwarf compact habit; height, 4 in..... " 5
Saxatile Compactum. Flowers golden yellow; very pretty. *Hardy perennial.* Height, 9 in..... " 5



Ageratum

AMARANTHUS

Ornamental foliage plants of an extremely graceful and interesting character, producing a striking effect whether grown for the conservatory or flower garden. *Hardy annual.*

Melancholicus Ruber. Crimson foliage, 2 ft..... pkt. 5
Tricolor Splendens. Joseph's Coat; very pretty; 2 ft..... " 5
Henderi. Foliage rose, yellow and olive green, splendid..... " 5
Salicifolius. Long narrow leaves; 3 ft..... " 5

ACONITUM

Monkshood. A free-blooming plant of easy culture; flowers blue and white; 3 ft. *Hardy perennial*, pkt. 5

ACROCLINUM

A beautiful class of everlasting flowers, much used for winter bouquets. *Half-hardy annual.*

Double mixed; white and rose..... pkt. 5

ABUTILON

Large flowers, in red, white, rose and orange; richly veined; suitable for house in winter and garden in summer; *half hardy shrubs*; easily raised from seed.

Finest mixed hybrids..... pkt. 15

ADONIS

Adonis Aestivalis (Flos Adonis). A showy *hardy annual* of easy culture; deep crimson; 1 ft..... pkt. 5

AGROSTEMMA

Coronaria. (Rose Campion). Free blooming and pretty. *Hardy perennial*..... pkt. 5



Sweet Alyssum

AMPELOPSIS VEITCHII.

Japanese Ivy. This beautiful climber, generally known as Boston Ivy, is specially adapted for covering brick or stone buildings. *Hardy Perennial.* Pkt. 5c.

Two-year-old plants 25c. each, \$2.50 per doz., postpaid.

ANAGALLIS.

Pimpernel. Valuable for bedding plants; they succeed best in light, rich soil, and delight in a sunny situation. *Half-Hardy Annual.* Extra fine mixed; 2 ft. Pkt. 5c.

AURICULA.

A well-known variety of great beauty, succeeding best in northern aspect. *Half-Hardy Perennial.* Choice mixed, Pkt. 10c.

Extra Choice Mixed, from named flowers. Pkt. 25c.



Auricula.

ANTIRRHINUM.

Snap Dragon. An old garden favorite, of easiest culture. They thrive in any soil, the tall sorts yielding an abundance of fine cut flowers, while the dwarf sorts make handsome edgings. *Half-Hardy Perennial.*

Queen of the North. The plants form elegant symmetrical little bushes covered with large white flowers of beautiful form, standing well above the foliage; suitable for bedding and pot culture; 1½ feet. Pkt. 5c.

Tom Thumb. Finest mixed; ¾ foot. Pkt. 5c.

Tall Varieties. Finest mixed; 2 feet. Pkt. 5c.

Good Garden Trowels
15c. each, postpaid 25c.



Antirrhinum.

NEW GIANT-FLOWERED ANTIRRHINUM.

The flowers of this new strain are much larger than those of the old type, and the plants grow taller. For gorgeous coloring few flowers can match them. Raised under glass in spring and planted out, all the varieties will bloom profusely during summer and into autumn. Finest mixed. Pkt. 10c.

AQUILEGIA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being beautiful, both in form and color. *Hardy Perennial.* Choice mixture of single and double varieties. Pkt. 5c.

ASPARAGUS SPRENGERI.

A beautiful new variety of this graceful class of plants. Specially useful to grow as a pot plant for decorative purposes or for planting in vases or suspended baskets. It grows freely the whole year round; as it withstands dry atmosphere it makes an excellent house plant. A vigorous grower, producing sprays four to five feet long, of fresh, green, feathery foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Flowers white, followed by red berries. Pkt. 10c.

ASPARAGUS PLUMOSUS NANUS.

A beautiful climbing plant, with bright green, gracefully arched foliage,

surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. The fronds are twelve to fifteen inches in length, and taper to a point from a width of twelve inches. One of the most beautiful decorative plants. Pkt. 20c.



Aquilegia.

ASTERS.

The Aster is not only one of the most popular, but also one of the most productive of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most beautiful and perfect form. In our flower beds and mixed borders, it occupies a deservedly prominent position. All the varieties delight in a rich, deep soil, and in hot, dry weather should be mulched with well-rotted manure, and frequently watered. *Hardy Annual.*

OUR SPECIAL OFFER IN ASTERS.**BRUCE'S EMPIRE COLLECTION FOR 1903**

Six Superb Varieties for 25 Cents.

All separate, mailed to any address for 25 cents; usual catalogue price 60 cents.

Queen of the Market.

Truffaut's.

Crown.

Victoria.

Giant Comet.

Late Branching.



Asparagus Plumosus.

ASTERS—Continued.

Queen of the Earlies. This new variety resembles somewhat the Queen of the Market, but flowers from *two to three weeks earlier* making it decidedly the earliest of all Asters. The double flowers of good size are borne on long stems; valuable for cutting.

Pure White.....pkt.	10	Choice mixed, all colors, pkt.	10
Queen of the Market. An extra early variety of			
graceful spreading habit; valuable for cutting.			
Pure White.....pkt.	5	Choice mixed.....pkt.	5

NEW HOHENZOLLERN.

A new large flowered strain of the best Comet type. Plants are of a strong bushy habit of growth, the handsome flowers being borne on long strong stems, are unsurpassed for cutting, height 20 to 24 inches.

Pure White and Rose, each per pkt..... 10c



Giant Comet Aster.

This new variety differs from the well-known Comet, not only on account of its large size, but because the petals are longer and broader, giving an entirely different appearance.

Giant Comet. "Crown Rose." New, for description
see novelties page 40.....pkt. 10

Giant Comet. "Crown Violet." New, identical with above except in color. See novelties page 40.....pkt. 10

Giant Comet. "Pearl." New. A very striking new color, almost slate grey, giving the enormous flowers a very attractive appearance pkt. 10

Giant Comet. "Bride." White, changing to rose, the flowers being firstly pure white, then white changing to rose, and finally a beautiful rose tint; a charming flower.....pkt. 10

Giant Comet. "White." Pure white, magnificent..... " 10

Giant Comet. "Pink." Very pretty " 10

Gilant Comet. "Lavender." Pale lavender..... " 10

Giant Comet. "Crimson." Rich deep crimson "To

Giant Comet.	Crimson.	Rich deep crimson.	10
Giant Comet.	Mixed, all colors.		10

Giant Comet.	mixed, all colors.....	10
Giant Comet.	"Light blue".....	10

NEW JAPANESE.

The beautiful flowers of this new strain of Asters offer a most striking contrast to those of any other variety. They are of immense size, with long petals curiously waved and curled, so as to give them a striking resemblance to the most disheveled Japanese *Chrysanthemums*, height 14 to 15 inches. Mixed colors...pkt. 10

PHOENIX ASTER "Little Maid."

This new Aster resembles the Victoria in growth, height and shape, the very double flowers, which are produced in abundance, are in color white with a slight touch of pale pink, an exquisite shade. pkt. 10



NEW BRANCHING ASTER.

A variety of American origin. The flowers are large, exceedingly graceful and handsome, and are borne erect on very long stems. The broad, wavy petals are gracefully curled or twisted. Being a late bloomer the flowers come at a time when other kinds are scarce, and are thus the more prized.

Shell pink. Large double flowers of a rich but delicate pink; a charming color.....pkt. 10

Pure white; a most desirable variety for cutting..... " 10

Lavender.....pkt.	10	Crimson.....pkt.	10
Purple....."	10	Finest mixed....."	10

LARGE FLOWERED VICTORIA.

A magnificent race of Asters; flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; height, 18 to 20 inches.

Light Blue.....pkt. 10 | Crimson.....pkt. 10

Peach Blossom.....	"	10	Pure White.....	"	10
--------------------	---	----	-----------------	---	----

Pale Pink.....	10	Choice mixed.....	10
----------------	----	-------------------	----

COLLECTION OF TWELVE SEPARATE COLORS,	75
---	----

COLLECTION OF TWELVE SEPARATE COLORS.....	75
“ SIX “ “	50

Dwarf Victoria. Admirably adapted for bedding and also florists' use; height, 9 to 12 inches.

Pure White.pkt. 10 | Choice mixed, all colors.pkt. 10

Crown or Cocardeau. A very showy variety; flowers double, with a white centre surrounded by petals of a distinct bright color; height, 18 to 20 inches.

Choice mixed.....pkt. 10



Victoria Aster.

ASTERS—Continued.



Truffaut's Pæony-Flowered Aster.

Ball or Jewel. A magnificent and distinct class of Aster, with ball-like flowers incurved like a double Chrysanthemum. Choice mixed..... pkt. 10

Ray. New. A new and distinct type of Aster. Plants attain a height of about 20 inches, of branching habit, and bearing their large flowers on long strong stems; the flowers measure from 4 to 6 inches in diameter, and consist of ray-like, slender quilled florets, which give them a very attractive appearance.

White and bright rose, mixed..... pkt. 10

Lady in White. The pure white flowers of this free-flowering variety are borne on slender stalks, and have the same graceful semi-globular form as the Mignon. Indispensable for florist work..... pkt. 10

Giant Emperor. Flowers of an enormous size, very double, and of great beauty; height 2 feet..... pkt. 10

Mignon. The plants of this favorite, which are semi-dwarf, when well-grown, bear 40 to 50 beautifully shaped double flowers, with deeply imbricated petals, which are unsurpassed for cutting and floral work.

Pure White, fine for florists' work..... pkt. 10

Mixed colors, including white, rose, peach blossom, lilac and red..... " 10

Triumph. A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large, and of rare beauty, the petals being beautifully incurved. Makes a fine pot plant, and is unequalled as a bedder.

Pure White..... pkt. 10 | Dark Scarlet..... pkt. 10

Dark Purple..... " 10 | Choice mixed..... " 10

German Quilled Betteridges. Petals quill shaped; flowers large and double, height 2 feet.

Choice mixed..... oz. 50c., pkt. 5

China. Choice mixed..... oz. 50c., pkt. 5

Asters. Many varieties mixed..... oz. \$1.00, pkt. 10

DOUBLE BALSAM.

Well-known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. *Half-hardy annual.*

White and Crimson. Separate colors..... each per pkt. 10

Double-Flowered. Extra choice mixed..... oz. 75c., " 10

" " Fine mixed..... oz. 50c., " 5

Solferino. Spotted and striped..... " 5

New Aster. Sunlight. Sulphur yellow; see novelties Page 40. Pkt. 15c.

Truffaut's Pæony-flowered.

One of the most perfect and popular of all Asters, the flowers being very double, large and handsome; petals incurved; height 18 to 24 inches.

Snow White..... pkt. 10 | Bright Rose..... pkt. 10

Pale Pink..... " 10 | Light Blue..... " 10

Crimson..... " 10 | Purple..... " 10

Choice mixed..... " 10

COLLECTION OF TWELVE SEPARATE COLORS..... 75

" SIX " " 40

Dwarf Chrysanthemum-flowered. Flowers very large and double, resembling Chrysanthemums. Valuable on account of profuse late blooming; height, 9 to 12 inches.

Pure White, extra fine..... pkt. 10

Choice mixed, all colors..... " 10

Comet. Charming and distinct; are large and double resembling in the shape, and artistically curved and twisted petals, the finest Chinese Chrysanthemums; height, 12 to 15 inches.

Pure White, extra fine..... pkt. 10

Pink..... pkt. 10c | Finest mixed..... pkt. 10

Victoria Needle. Flowers large and double; petals twisted as round as needles, the effect being unique and charming; height, 18 inches.

Choice mixed, all colors..... pkt. 10

Boltze's Dwarf Bouquet. A charming free-blooming class of compact habit; height, 8 to 10 inches.

Choice mixed, all colors..... pkt. 10



Double Balsam.

Imported Collections

Camellia Flowered. Six distinct colors... 40

Rose Flowered. Six distinct colors..... 30

BALLOON VINE.

Cardiospermum Halicacabum. A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule which it bears in clusters; 6 to 8 feet. *Annual*.....pkt. 5c.

BARTONIA AUREA.

Very showy; golden yellow; 1½ feet. *Hardy Annual*.....pkt. 5c.

BEGONIA.

Tuberous rooted; new hybrids. These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer, until frost sets in, with bright and elegant flowers of almost every shade of color; when well grown the flowers of some varieties attain an extraordinary size, being frequently 6 inches in diameter.

Single varieties, finest mixed.....pkt. 10c.
Double " " " ".....pkt. 25c.

BRACHYCOME.

Swan River Daisy. Dwarf, free flowering plants; covered all summer with a profusion of Cineraria-like flowers; very effective in edgings, rustic baskets or for pot culture. *Half-Hardy Annual*.

Iberidifolia. Fine mixed; ½ foot.....pkt. 5c.

BROWALLIA.

Speciosa Major. The plants of this new variety grow only about a foot high, forming dense little bushes, which are covered with an abundance of the most intense violet blue flowers, much larger than those of the older sorts. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. *Annual*.....pkt. 10c.

CALENDULA.

Pot or Garden Marigold. Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for the garden or pot culture. *Hardy Annual*.

Sulphur Gown. Light, lemon yellow; a splendid large flowered variety.....pkt. 5c.

Meteor. Double yellow flowers, striped with orange.....pkt. 5c.

Le Proust. Apricot. Very pretty.....pkt. 5c.

Pluvialis. (Cape Marigold.) Pure white large single flowers.....pkt. 5c.

CACALIA COCCINEA.

Tassel Flower. A beautiful and profuse flowering class of plants, with tassel-shaped flowers; fine for mixed borders. *Half-Hardy Annual*.....Pkt. 5c.

CANARY BIRD FLOWER.

Tropæolum. Bright fringed, yellow creeper; very ornamental; a general favorite; 10 feet. *Half-Hardy Annual*.....pkt. 5c.



Browallia, Speciosa Major.



Calliopsis.

CALLIOPSIS or COREOPSIS

This genus is one of the most striking of all annuals, the varieties being very effective in mixed borders, while the dwarf, from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. *Hardy Annual*.

Drummond. Orange yellow.....pkt. 5c.

Nigra Speciosa. Rich crimson, 1 foot.....pkt. 5c.

Tinctoria. Crimson brown, tipped yellow; 2 feet....pkt. 5c.

Fine Mixed. All colors.....pkt. 5c.

Double. Flowers are double and semi-double; yellow and maroon; very pretty.....pkt. 5c.

HARDY PERENNIAL CALLIOPSIS.

Lanceolata. This is one of the most popular perennials in cultivation. The flowers are large, of a bright, golden yellow, freely produced on long stalks from June till frost; excellent for cutting; height 3 feet.....pkt. 5c.

CALANDRINA.

Very beautiful creeping plants; admirably adapted for planting in rock work. *Annual*. Rose and crimson, each, pkt. 5c.

CALCEOLARIA.

Plants of highly decorative character, indispensable for the ornamentation of the greenhouse and garden. *C. Hybrida* is grown for indoor decorations, while *C. Rugosa*, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decorations. *Half-Hardy Perennial*.

Hybrida. Finest mixed, from prize flowers; 2 feet...pkt. 25c.

James' International Prize. Unequalled for size and brilliancy of color; 2 feet.....pkt. 50c.

Rugosa. Mixed; valuable for bedding; 1 foot.....pkt. 25c.

CAMPANULA.

Canterbury Bell. Well-known favorite, bearing large bell and saucer-shaped flowers; well adapted for borders and pot culture. *Half-hardy biennial.*

Single. Mixed.....pkt. 5. **Double.** Mixed.....pkt. 5

Calycanthema. The "cup and saucer" variety, fine mixed..... " 5

Superb Mixed. This special mixture includes single, double and Calycanthema varieties, in all colors.....pkt. 10

Pyramidalis. A grand sort, known as the Pyramidal Bell Flower. *Hardy*

perennial. Finest mixed blue and white; 4 feet.....pkt. 5

CANDYTUFT.

One of the most useful of border annuals; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decorations during the winter. *Hardy annual.*

White.....pkt. 5 **White Fragrant**.....pkt. 5

Crimson..... " 5 **Purple or Lilac**..... " 5

Carminé..... " 5

Fine Mixed, all colors, oz. 20c..... " 5

Empress Improved or Giant Hyacinth Flowered. A new variety of great beauty and most desirable for cut flower purposes. The plant is of very branching habit, and when full grown and covered with its large trusses of pure white flowers it presents a perfect pyramid of bloom throughout the summer...pkt. 5

Queen of Italy. New dwarf, erect growing variety, plant fairly covered with beautiful pink flowers.....pkt. 5

Tom Thumb. Bushy little plant, 4 to 6 inches high; very effective for small beds and edgings; finest mixed.....pkt. 5



Giant Empress Candytuft.

few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. *Half-hardy perennial.*

Crozy's New Dwarf Hybrids. Splendid large flowering, with broad leaves; finest mixed.....pkt. 5

Dark Leaved Varieties. Finest mixed..... " 5

CARNATION.

Marguerite. An exceedingly valuable strain of Carnations. Plants will begin to bloom in about four months from sowing the seed; the flowers, which are varied and beautiful in color, are deliciously fragrant and exceedingly useful for cutting; about 75 per cent. of the seedlings produce double flowers; pure white, pkt. 10; choice mixed pkt. 10.

Giant Marguerite. This improved strain, which, while it retains the noted earliness of the popular Marguerites, produces much larger flowers, which, combined with fine form, diversity and richness of color, make it a most valuable and beautiful acquisition. All colors in splendid mixture, pkt 10

New Perpetual Riviera Market. This is the finest of all strains of Perpetual Carnations, and is nearly as rapid in growth as the Marguerite class; the seed produces about 80 per cent. of splendid double flowers, with a large percentage of yellow.....pkt. 25



Marguerite Carnation.



Canterbury Bell.

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants, either for conservatory or flower garden. The seed should be steeped for a



Corn Flower. (See page 48)

Grenadin. An extra early and very hardy variety, with brilliant double scarlet flowers.....pkt. 20

Grenadin. Pure white; extra fine.....pkt. 20

Perpetual or Tree. Fine for winter blooming; choice mixed, pkt. 25

Hardy. Fine mixed; excellent for cutting.....pkt. 10

CASTOR OIL BEANS.

Ricinus. The picturesque foliage and stately growth, combined with the size of the giant varieties, impart to select plantations, shrubbery and mixed flower borders, quite an oriental aspect. *Half-hardy annual.*

Zanzibariensis. A new Castor Oil plant, far exceeding in size the much admired older kinds. The foliage is of the usual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; the coloring varies from a light green to a dark coppery bronze and brownish purple, pkt. 5

Duchess of Edinburgh. Dark purple stem and leaves; 5 ft., " 5

Cambodgensis. The finest dark foliage variety, strikingly beautiful; 5 ft..... " 5

Fine Mixed.....Oz. 20c., " 5

CATCHFLY.

Silene Armeria. Free flowering, showy *hardy annual*, for beds or borders. Fine mixed.....pkt. 5c.

CENTAUREA.—White Leaved Varieties.

The silvery foliaged *Centaureas* are amongst our most beautiful and valuable bedding plants; should be started early, in gentle heat. *Half-hardy perennial*.

Candidissima. Broad white foliage; 1 ft.....pkt. 10c.

Gymnocarpa. Narrow silvered foliage; 1 ft.. pkt. 5c.

CENTAUREA CYANUS—CORNFLOWER.

A valuable *hardy annual* for borders; flowers most suitable for bouquets: 2 ft.....pkt. 5c.

Emperor William. Deep blue; splendid.....pkt. 5c.

Victoria. A charming miniature variety, all colors, $\frac{1}{2}$ ft.....pkt. 5c.

Single Mixed. All colors.....pkt. 5c.

Double Mixed. Handsome double flowers of various colors.....pkt. 5c.

CENTAUREA IMPERIALIS or Giant Flowered Sweet Sultans.

These new hybrids are admirably adapted for cut flower use, being of large size, almost double the size of the well known *Margaritae*, with the same sweet odor and fine form. The flowers are borne on long stout stems, making them most valuable for decorating large vases. They are very lasting, and if cut when scarcely opened and placed in water will keep for ten days. 2 ft.

Giant White. (*Centaurea Imperialis alba*).....pkt. 10c.

Giant Rose. (*Centaurea Imperialis Favorita*).....pkt. 10c.

Giant Purple. (*Centaurea Imperialis Purpurea*).....pkt. 10c.

Giant Margaritae. Pure white, very fragrant.....pkt. 10c.

Giant Mixed. All colors.....pkt. 10c.

The Old Sweet Sultan. Mixed colors; $1\frac{1}{2}$ ft.....pkt. 5c.

The Old Yellow Sweet Sultan. Large, bright yellow flowers, very fragrant and useful for bouquets, $1\frac{1}{2}$ ft.....pkt. 5c.

CHELONE.

A beautiful, hardy, herbaceous plant, with showy flowers; very effective in beds or groups. *Hardy perennial*.

Hybrida. Fine mixed; 3 ft.....pkt. 5c.

Chinese Primrose. See *Primula*, page 60.

CHRYSANTHEMUM.

Very showy and very effective border plants, succeeding well in rich garden soil. *Hardy Annual*,

SINGLE ANNUAL VARIETIES.

The Sultan. Crimson maroon.....pkt. 5c.

Burridgeanum. White rose and yellow.....pkt. 5c.

W. E. Gladstone. Rich crimson.....pkt. 5c.

Eclipse. Golden yellow, scarlet ring, brown

centre.....pkt. 5c.

Fine Mixed......pkt. 5c.

DOUBLE ANNUAL VARIETIES.

White......pkt. 5c. | **Sulphur Yellow.**.....pkt. 5c.

Golden Yellow......pkt. 5c. | **Fine Mixed.**.....pkt. 5c.

Double Hybrids. The flowers of this charming new strain are large and double, the colors being beautiful and diversified, the petals exquisitely fringed and penciled.....pkt. 10c.

SINGLE PERENNIAL VARIETIES.

Marguerites, or Paris Daisies. Largely grown for cut flowers.

They flower all summer in the garden, and make elegant pot plants for winter bloom.

Frutescens. White.....pkt. 10c.

Maximum. Large ox-eyed daisy; white flowers; hardy.....pkt. 10c.

DOUBLE PERENNIAL VARIETIES.

These are the double sorts which attract so much attention at the autumn shows.

Indicum Grandiflorum. Finest mixed.....pkt. 25c.

Japonicum (Japanese Varieties). Finest mixed.....pkt. 25c.

CLARKIA.

Beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; but when planted in rich soil and properly attended to they rank among the most effective of bedding plants. *Hardy annual*.

Single Mixed. Many sorts; 1 ft.....pkt. 5c.

Double Mixed. Many sorts, 2 ft.....pkt. 5c.



Centaurea Imperialis.



Single Annual Chrysanthemum.

CINERARIA

A well-known greenhouse favorite; owing to the richness and diversity of its colors it is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil. *Greenhouse perennial.*

Bruce's Prize. The flowers possess extraordinary substance, and are of immense size under good cultivation. For exhibition purposes it is unsurpassed.....pkt. 25

James's Giant. Plants of this superb strain are remarkable for their dwarf growth, the immense size of their blooms, and well-defined brilliant and delicate colors.....pkt. 50

CINERARIA MARITIMA

(Dusty Miller). White foliage; very ornamental. *Half-hardy perennial.*

Maritima Candidissima. An extra fine variety pkt 5



Cockscomb.

CONVOLVULUS. (See Morning Glory page 56.)**COCKSCOMB**

Celosia. Highly ornamental, curious looking flowers for the greenhouse and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. *Half-hardy annual.*

Glasgow Prize. An extra fine dwarf variety, with immense crimson combs.....pkt. 20

Dwarf Mixed. Splendid..... " 10

Pyramidalis Plumosa. Magnificent annuals, with charming feathery plumes of the richest colors, most effective for either pot or outdoor planting; 2 ft.; fine mixed.....pkt. 5

Thompson's Superb. (*Triumph of the Exposition.*) Pyramidal in growth, attaining a height of little more than two feet. Each stem is crowned with a magnificent feathery plume of the most intense brilliant red, which is admirably set off by the bronze-colored foliage pkt. 5

COBÆA

Scandens. A beautiful climber, with large, well-shaped flowers and elegant leaves and tendrils. It is of very rapid growth and consequently eminently adapted during the summer for warm situations

out of doors; in sowing place the seeds edgeways and cover slightly. *Half-hardy annual.*

Purple......pkt. 10 **White.**.....pkt. 10



Cobæa Scandens.

COLEUS

Handsome foliage plants, remarkable for their great variety and brilliancy of colors; indispensable for bedding; easily grown from seed. Choice mixed; 2 ft.....pkt. 25

COLLINSIA

Attractive in beds or mixed borders. *Hardy annual.*
Mixed Colors, 1 to 2 ft.....pkt. 5

CORDYLINE (*Dracæna.*)

Beautiful decorative foliage plants.

Australis. Fine for vases.....pkt. 10

Indivisa Lineata. Very graceful..... " 10

CORN FLOWER. (See *Centaurea Cyanus*, page 48.)



Bruce's Prize Cineraria.

CLEMATIS

A beautiful fragrant climber; perfectly hardy; seeds often lie dormant for weeks. *Hardy perennial.* Choice mixed.....pkt. 10

CLINTONIA

An exceedingly pretty, Lobelia-looking plant admirably adapted for rustic baskets, rock work or vases. *Half-hardy annual.*

Elegans. Pale blue, beautiful; 1½ feet.....pkt. 10

Pulchella. Purple and yellow.....pkt. 10

CLIANTHUS

Free flowering shrubs, with elegant foliage and brilliantly colored, singularly shaped flowers, which are produced in clusters with splendid effect. *Greenhouse perennial.*

Dampieri. Scarlet, pea-shaped flowers; 1 ft.....pkt. 25



Cosmos. (See page 50.)

COSMOS.

Mammoth Perfection. This new selection will be found a decided improvement on the old variety, the flowers being so much larger, usually 4 to 5 inches across. It is a strong and vigorous grower, and produces its beautiful single Dahlia-like flowers with the greatest freedom. Seed should be sown early, and the plants which grow 4 to 5 feet high set out 2 to 3 feet apart. *Half-hardy annual.*

Pure white.....pkt. 5c. | Mixed colors.....Pkt. 5c.
New Fringed. Flowers of this charming variety are beautifully fringed with pink, white and red.....pkt. 10c.
Early Cosmos "Dawn." This variety comes into bloom in July, and continues to flower until cut down by frost. The flowers are white, with a delicate tint of rose at the base of the petals. 4½ feet high.....pkt. 10c.

COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. *Perennial*.....pkt. 5c.

CUCUMBER ORNAMENTAL.

An interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil is rich, is marvelous. *Annual.*

Snake Cucumber. (*Cucumis Flexuosus.*) 10 ft.....Pkt. 5c.

Wild Cucumber. (*Echinocystis Lobata.*) This is the quickest climber known. It will grown 30 feet in one season, has dense graceful foliage, which is thickly dotted with pretty white fragrant flowers. The seed should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year.....pkt. 5c.

CYPERUS ALTERNIFOLIUS.

Umbrella Plant. Handsome *half-hardy perennial*; the long slender stems being surmounted by plumes of narrow green shining leaves; succeeds best in moist situations; valuable for aquariums; easily raised from seed.....pkt. 10c.

CYPRESS VINE.

Ipomea Quamoclit. A most beautiful climbing plant, with very delicate fern-like foliage. *Half-hardy annual.*

Scarlet; 10 ft.....pkt. 5c.

Finest Mixed.....pkt. 5c.

DRACAENA. See Cordyline, page 49.

DELPHINIUM. See Larkspur, page 54.



Double Daisy.

**CYCLAMEN.**

A genus of the most beautiful and elegant winter and spring blooming plants, for pot culture; if sown early in spring under glass and well grown will make flowering bulbs in one year. The seed we offer is from the finest strains.

Persicum. Choice mixed...pkt. 10c.

Giganteum. This section is remarkable for the immense size and magnificent colorings of the flowers.

Giant White. Pure white..pkt. 25c.

Giant Rose. Soft bright rose..pkt. 25c.

Giant Crimson. Deep crimson.....pkt. 25c.

Giant Mixed.....pkt. 25c.

New Vars. See Novelties, pages 39, 41.

DAHLIA.

By sowing the seed early blooming plants of this popular flower may be had the same season. The roots should be placed in dry sand and kept in a cellar where there is no frost during winter. *Half-hardy Perennial.*
Double. Large flowered; choice mixed.....pkt. 10c.
Double Pompon or Bouquet Varieties. Finest mixed...pkt. 10c.
Cactus-Flowered Double. Finest mixed hybrids.....pkt. 10c.
Single. Finest mixed; very showy.....pkt. 5c.
Dormant Tubers. The finest named varieties.....each 20c.

DATURA.

Trumpet Flower. A tribe of highly ornamental plants with large trumpet-shaped flowers; 3 ft. *Annual.*

Wrightii. Bright large single flowers; satin white, bordered with lilac.....pkt. 5c.

Double Yellow. Large golden yellow; very fragrant.....pkt. 5c.

Double Varieties. Finest mixed.....pkt. 5c.

DOUBLE DAISY.

Bellis Perennis. A well-known and favorite plant for the border or pot culture. *Half-hardy perennial.*

Snowball. Extra large, very double; pure white flowers...pkt. 10c.

Longfellow. Double red.....pkt. 10c.

Double White. Extra fine.....pkt. 10c.

Choicest Mixed.....pkt. 10c.



Japan Pink.

DOUBLE ANNUAL VARIETIES.

- Imperial.** Flowers of blood-red ground color, irregularly striped and splashed with white and pink, a charming variety.....pkt. 5
- Mourning.** The flowers are large, colors unique, rich purple maroon, etc., edged with whitepkt. 5
- Diadem.** Many colors, beautifully striped and laced.....pkt. 5
- Laciniatus.** Fringed flowers of rare beauty.....pkt. 5
- Finest Double Mixed.** Consisting of the best double varieties, all colorsoz. \$1.50, pkt. 10
- Fine Mixed.** China or India Pink.....oz. 50c., pkt. 5

PERENNIAL VARIETIES.

- Pheasant's Eye.** A single variety, the flowers of which are white, with crimson eye; very sweet scented.....pkt. 5
- Double Pheasant's Eye.** Double, large flowering, sweet scented hardy pink, flowers finely fringed, of various colors, finest mixed.....pkt. 10
- Paisley or Florists' Pink.** Finely fringed double flowers; strong clove fragrance; especially desirable for cut flowers.....pkt. 25

DOLICHOS.

- Hyacinth Bean.** A beautiful class of quick growing ornamental climbers, bearing clusters of white and purple bean-shaped blossoms. Seed pods are quite ornamental. *Annual.* 12 feet; mixed.....pkt. 5
- Purple Soudan.** A highly decorative climber, much earlier than the ordinary Dolichos. The stems are of intense purple color and the beautiful long flowers, that are produced during the whole summer, are of a brilliant rose, contrasting strikingly with the dark foliage. The seed pods, are themselves an ornament to the plant, owing to their dark red color. For covering walls, trellises, etc., will be found invaluable, pkt 5



Eschscholtzia.

DIANTHUS—PINKS

These handsome single and double Pinks are deservedly popular. The flowers, which are large, embrace all colors from white to deep crimson, while most of them are beautifully variegated. The plants bloom the entire summer and fall, and also the second season if slightly protected during the winter.

SINGLE ANNUAL VARIETIES.

- Laciniatus—Salmon Queen.** The flowers of this new variety are the most brilliant salmon color imaginable changing into a salmony rose when fading. The flowers are well-formed and nicely fringedpkt. 5
- Laciniatus.** Finest mixed, single fringed varieties; charming colors.....oz. \$1.00 pkt. 5
- Heddewigi.** (Japan Pink). The flowers are large and of the most brilliant colors, from pure white to richest crimson, while many are laced and striped.....oz. \$1.00, pkt. 5
- The Bride.** White, with a purplish centre, very pretty.... pkt. 5
- Crimson Belle.** Dark crimson; large flowers.....pkt. 5
- Finest Single Mixed**.....oz. \$1.00, pkt. 5



Double Pink.

ESCHSCHOLTZIA.

- Californian Poppies.** An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors, very attractive. *Hardy annuals.*
- Californica.** Bright yellow, showy; 1 ft.....pkt. 5
- Californica Alba.** Cream-white, pretty; 1 ft..... " 5
- Rose Cardinal.** Beautiful carmine rose..... " 5
- Mandarin.** Bright orange flowers, shaded with crimson " 5
- Golden West.** Flowers large, bright yellow with large rayed blotch of deep orange at base of petals. " 5
- Fine Mixed.** All colors.....oz. 30c., " 5
- Double Varieties.** White and Yellow Mixed " 5

ECCREMOCARPUS SCABRA.

A handsome rapid grower, free-flowering, bright orange flower; 10 ft. *Tender annual.*.....pkt. 10

EUTOCA.

Neat, compact, free-flowering plants, very attractive in beds or mixed borders. *Hardy annual.*

Viscida. Deep blue, fine; 1½ ftpkt. 5

ERYSIMUM.

Very showy, free-flowering plants, very effective in beds and borders. *Hardy annual.*

Perofskianum. Orange, very showy; 1 ft.....pkt. 5

EVERLASTING PEA.

Lathyrus. Showy, free flowering plants; very ornamental on trellis work, old stumps, or for covering fences or walls; height 5 feet. *Hardy perennial.*

Scarlet and White, each . . . pkt 5c. | **Fine Mixed** pkt. 5c.

Pink Beauty. A new perennial pea of great beauty, the flower being of a soft and charming *rose pink* shade and considerably larger than the older varieties. oz. 30c., pkt. 5c.

FERNS.

Greenhouse Varieties. Choice selection. pkt. 25c.

Hardy Varieties. All sorts. pkt. 25c.

FEVERFEW. See *Matricaria*. Page 55.

FREEZIA.

The flowers which are largely used by florists in cut flower decorations are pure white, blotched with yellow on the lower petals, and have a delicate musk perfume. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering put away the bulb in a dry place until next planting. pkt. 5c.

FORGET-ME-NOT.

Myosotis. A favorite and well-known border plant; flowers early. blooms freely. *Half-hardy perennial.*

Victoria. Sky-blue flowers with double centre; the best for pot culture. 10c.

Robusta Grandiflora. Large flowering and robust growing variety; grown extensively for cut flowers; $\frac{3}{4}$ ft. pkt. 5c.

Alpestris. Blue, dwarf and pretty rock plant, $\frac{1}{4}$ ft. pkt. 5c.

Palustris. True Forget-me-not, pale blue. pkt. 10c.

Finest Mixed Varieties. pkt. 5c.

FOXGLOVE.

Digitalis. Handsome and ornamental plants of stately growth and varied colors; 3 ft. *Hardy perennial.*

Fine Mixed. Large flowers. pkt. 5c.

Gloxiniaflora. Large spotted flowers. pkt. 5c.



Gloxinia.

Very pretty dwarf plants, early and free bloomers, valuable for massing and for rockeries. *Hardy annual.*

Tricolor. White, lilac and purple; $\frac{3}{4}$ ft. pkt. 5c.

GLOXINIA.

A superb genus of summer blooming plants of great beauty and diversity of color. Sow the seed under glass in early spring, and place in a warm, moist and shaded position; transplant seedlings as soon as fit. Gloxinias thrive best in sandy peat or loam. When in flower keep partially shaded from the bright sunshine. The bulbs should be kept dry and from frost during winter. Greenhouse plant, splendid mixed varieties, all colors. pkt. 25c.

GREVILLEA.

Robusta. (Tree Fern.) A very graceful fern like foliage plant, for pots or tropical lawn effects; *tender perennial*; 3 to 5 ft. pkt. 10c.



Double Gaillardia.

TFUCHSIA.

Well-known greenhouse plants; the seed we offer has been selected and saved from the finest named varieties. *Greenhouse shrub.*

Double and Single. Splendid mixed. pkt. 25c.

GYPSOPHILA.

Paniculata. A handsome hardy perennial, with graceful, branched panicles of small, white flowers, which are highly prized for bouquets. Height 2 ft. pkt. 5c.

Elegans. Hardy annuals; feathery lilac flowers, useful for bouquets. Height 18 inches. pkt. 5c.

Muralis. A dwarf hardy annual, with rose-colored flowers, suitable for rock-work. Hg't 9 in. pkt. 5c.



Forget-Me-Not.

GAILLARDIA.

Single Mixed. Flowers yellow and scarlet; very showy, in finest mixture. pkt. 5c.

Lorenziana. Double mixed; large heads of bright yellow and red flowers, very double, with quilled petals, fine for bouquets. pkt. 5c.

Grandiflora. *Hardy perennial.* The flowers are large, from $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter, produced on long stems; they are excellent for cutting, and of the most gorgeous coloring. pkt. 5c.

GLOBE AMARANTH.

Gomphrena. Extremely handsome everlastings, with showy, pretty flowers, which may be cut in summer and preserved for winter bouquets. *Half-hardy annual.*

Purple. pkt. 5c. | **Mixed.** All colors. pkt. 5c.

GERANIUM.

These well-known garden favorites are indispensable for indoor as well as out-door decoration, and should be extensively cultivated, *Half-hardy perennial.*

Finest Mixed. Beautiful for bedding. pkt. 10c.

Golden and Bronze. Brilliant foliage. pkt. 25c.

Double Zonale. Rose purple and white. $\frac{1}{4}$ ft. pkt. 25c.

Fancy Varieties, Pelargonium. Finest mixed. pkt. 25c.

GILIA.

Very pretty dwarf plants, early and free bloomers, valuable for massing and for rockeries. *Hardy annual.*

Tricolor. White, lilac and purple; $\frac{3}{4}$ ft. pkt. 5c.



Godetia.

Fumarifolia. The lovely so called Bush Eschscholtzia.

HOLLYHOCKS.

A splendid plant for autumn decorations, and from its stately growth and varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. *Hardy perennial.*

Fine Mixed.pkt. 5c.

Splendid Double Mixed.... pkt. 10c,
English Prize. Collection of 12
varieties.....\$1 00

English Prize. Collection of 6
varieties..... 60

New Mammoth Fringed Allegheny.

The flowers are of mammoth size, 5 to 7 inches in diameter, and gracefully formed of loosely arranged fringed petals, which look as though made from the finest China silk, and when cut are hardly recognizable as a Hollyhock, having none of the formality of the ordinary. The colors range from the most delicate shell pink to dark red. Mixed colors.
Pkt.....10c.



Ice Plant.

HELICHRYSUM.

Everlasting Flowers. Exceedingly effective in the flower border, and indispensable for winter bouquets, for which purpose they should be cut before the blooms fully expand. *Hardy annual.*

Large Flowering. Finest mixed.....pkt. 5c.

HELIPTERUM.

A beautiful genus of everlasting plants, valuable for winter bouquets. *Tender annual.*

Sanfordi. Of dwarf, tufted habit, with round clusters of golden yellow flowers; 3 ft..... pkt. 5c.

Corymbiflorum. Beautiful white flowers..... pkt. 5c.

HIBISCUS.

A very ornamental and showy plant, well adapted for mixed or shrubby borders. *Tender annual.*

Africanus. Color cream, brown centre; 1½ ft.....pkt. 5c.

ICE PLANT.

A dwarf trailing plant, much used for garnishing. The leaves and stems are covered with crystalline globules, giving it the appearance of being coated with ice. *Half-hardy annual.*.... pkt. 5c.

IMPATIENS SULTANI HYBRIDA.

One of the most useful plants of recent introduction. Remaining in bloom for a long period, they produce lovely flowers, varying in color from delicate pink to the deepest red. *Tender perennial.* Height 3 ft..pkt. 25c.

GODETIA.

Handsome summer flowering plants, of compact growth, bearing freely large flowers of exquisite colors and shades. *Hardy annual.*

The Bride. Pure white, crimson ring at the base of corolla; 1 ft.....pkt. 5c.

Lady Albemarle. Flowers 4 inches in diameter and of a glowing crimson color; 1 ft....pkt. 5c.

Duchess of Albany. Large, glossy, satiny white flowers, very beautiful; 2 ft.....pkt. 5c.

Duke of York. Bright carmine, extremely effective; 1 ft.....pkt. 5c.

Gloriosa. Very showy, with deep blood red flowers.....pkt. 5c.

Fine Mixed......pkt. 5c.

GOURDS.

Ornamental Gourds. The tribe of Cucurbita, or Gourds, is well-known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trelliswork of arbors, etc. *Half-hardy annual.*

Egg Shaped. White nest egg.....pkt. 5c.

Dish Cloth. A popular variety.....pkt. 5c.

Mixed. Many sorts.....pkt. 5c.

HELIOTROPE.

A well-known genus of profuse flowering and deliciously fragrant plants. *Half-hardy perennial.*

Fine Mixed Varieties.....pkt. 10c.

HUNNEMANIA.

Description see Novelties, page 41.....pkt. 10c.

HUMULUS JAPONICUS.

Climbing Hop. A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc. *Annual.*
Pkt.....5c.

Variegatis. The foliage of this variety is distinctly marked with silvery white, yellowish white, light and dark green, and retains its bright variegated foliage until late in the autumn.....pkt. 5c.

HONEYSUCKLE.

Hedysarum. Very hardy, plants producing racemes of attractive pea-formed flowers, in two colors, scarlet and white. *Perennial*,.....pkt. 5c.

HUMEA ELEGANS.

A very graceful and ornamental plant for decorating gardens and pleasure grounds, with ruby and red grass-like florets; very desirable. *Half-hardy perennial*.....pkt. 10c.



Helichrysum.



Double French Marigold.

Single French Marigold.

Gold Ring. This really charming variety is of dark brown velvety color, gracefully surrounded with a distinct gold ring; height 9 in.....pkt. 5

Legion of Honor. Flowers bright yellow, distinctly blotched rich brown. The plants are dwarf and compact, and remain in bloom a long time; height 9 inches.....pkt. 5

POT OR GARDEN MARIGOLD. See *Calendula*, page 46.

Martynia.

Very handsome free-flowering plants, with large flowers of great beauty. The young fruit or seed pods are highly esteemed for pickling. *Half-hardy annual.* 2 ft.....pkt. 5

Matricaria.

Double Feverfew. Pure white, double flowers; a desirable bedding plant, and largely used for cemetery decorations. *Hardy annual.*.....pkt. 5

Mathiola.

Bicornis. (Night Scented Stock.) For the exquisite perfume, profusely exhaled in the evening, this hardy annual should be grown in every garden. Flowers lilac. Height 1 ft.....pkt. 5

Mignonette.

Within recent years Mignonette has been immensely improved in size, and several distinct tints have been selected. These have been saved with such care that an agreeable variety of this fine old favorite is now available for the garden and for pot culture. The following are hardy annuals:

Sweet Scented......oz. 15c., pkt. 5

Machet. A dwarf and compact growing variety, with large flowers of a deep, reddish crimson; the most popular variety for pot culture.....pkt. 10

Golden Machet. This handsome Mignonette is practically identical with the Red Machet, except that the long spikes are covered with golden yellow blossoms.....pkt. 10

Golden Queen. Large flowered; a handsome dwarf variety; flowers golden yellow; a free bloomer.....pkt. 5

Crimson Queen. Robust in habit, with very large spikes of handsome red flowers.....pkt. 5

Wyles Hybrid Spiral. Habit dwarf and branching, flowers large. The odor of this variety is superior to any other...pkt. 5

Parson's White Flowering. The flowers are almost pure white, of the most exquisite fragrance.....pkt. 5

Defiance. Spikes of remarkable size and deliciously fragrant; the individual florets are very large, standing out boldly; its keeping qualities are extraordinary.....pkt. 10

Large Flowering Pyramidal or Tree. This plant is more vigorous than the old variety, the stems stronger, and with proper treatment the so-called *Tree Mignonette* will be obtained...pkt. 5

New Bismarck. A grand addition to our Mignonettes, forming dense bushes covered with handsome thick, flower heads of remarkable size, rich in color and deliciously scented; it is indispensable to the florist for cut flowers, and the best for pot culture.....pkt. 10



Machet Mignonette.

Lychnis.

Very free flowering herbaceous plant. *Hardy perennial.*
Chalcedonica. Bright scarlet, pretty; 2 ft.....pkt. 5
Haageana. Hybrida mixed; 1 ft....." 5

Malope.

A handsome plant of branching habit, with large, showy flowers. *Hardy annual.* Fine mixed.....pkt. 5

Marigold.

A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors; very effective in beds, borders, etc. *Half-hardy annual.*

Double African Marigold.

Collection of six finest double varieties.....40

Orange and Lemon. Quilled varieties; each.....pkt. 5

Tall Double. Finest mixed.....oz. 30c., " 5

Double French Marigold.

Collection of six finest varieties.....30

Dwarf. Gold striped, very handsome.....pkt. 5

Dwarf. Finest mixed; $\frac{1}{4}$ ft.....oz. 30c., " 5

Tall. Choice mixed; 2 ft.....oz. 30c., " 5



Double African Marigold.



Japanese Morning Glory.

Morning Glories.

Old and well-known favorites. The beauty and delicacy of their colors are unsurpassed; they all grow freely in almost any situation. *Hardy annual.*

Morning Glory (*Convolvulus Major*). This popular climber is too well known to need a description, 10 ft.; all colors, mixed.....oz. 15c; pkt. 5

Double Flowered. Flowers are white with a large spot of red or blue at the base of the large petalspkt. 5

Hederacea Superba. Sky blue; 8 ft. *Half-hardy annual.*.....pkt. 5

Coccinea. Bright scarlet; 6 ft..... " 5

Dwarf Morning Glory (*Convolvulus Minor*). The flowers are of the same size and shape as the tall or climbing Morning Glory. The colors are most varied and pleasing; 1 ft.....oz. 15c., pkt. 5

Mauritanicus. Charming plants for baskets, rock work, etc.; flowers lavender. *Perennial*.....pkt. 5

Imperial Japanese Morning Glory.

The handsomest of a handsome family, of the easiest culture and of a strong and rapid growth; the foliage is of varied forms and the markings fantastic. The flowers are very large, of good substance, remaining open most of the day, and the colorings are beyond description. There is nothing in the floral kingdom to compare with them in their diversity of shade and combination...pkt. 5

Moon Flower.

Ipomea Grandiflora alba. One of the finest of all annual climbers. It bears lovely white flowers five to six inches in diameter, with a five-pointed star in the centre; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. Start the seed in the house and set out as early as safe in the springpkt. 5

Marvel of Peru.

Mirabilis Jalapa. The flowers are varied and of beautiful colors, and are produced in great abundance. The roots may be preserved throughout the winter like Dahlias. *Half-hardy annual.*

Finest mixed; 2 ft.....oz. 20c; pkt. 5

Maurandia.

Beautiful climbers for green house or out-door cultivation. *Annual*
Barclayana. Deep violet; pretty.....pkt. 10

Musa Ensete.

Abyssinian Banana Tree. Magnificent for sub-tropical massing. On the lawn as single specimens they are very effective. Seed sown early will produce immense plants the first season. *Tender perennial.*.....pkt. 25



Nemophila.



Marvel of Peru.

Mimulus.

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seeds sown in autumn produce very effective early flowering green-house plants. *Half-hardy annual.*

Moschatus. Musk plant; $\frac{1}{2}$ ft.....pkt. 10

" **Compactus.** Similar to preceding, except that it is of more compact habit, making it more suitable for pot culture...pkt. 15

Tigrinus. Tigered and spotted varieties.....pkt. 15

Nolana.

Very pretty trailing plants, with convolvulus-like flowers; excellent for rustic work or hanging baskets. *Hardy annual.*

Fine Mixed......pkt. 5

Nemophila.

This is one of the most charming and generally useful of the dwarf growing *hardy annuals*; all the varieties have a neat, compact and uniform growth, comprising varied and beautiful colors, admirably adapted for edging, etc. *Hardy annual.*

insignis. Deep blue, with white centre; $\frac{1}{2}$ ft.....pkt. 5

Choice Mixed. Many sorts..... " 5



Nigella.

- Bronze.** Very distinct bronze color.....pkt. 5
Chameleon. This is a dwarf form of the Tall Chameleon Nasturtium, possessing exactly the same peculiarity of producing variously colored flowers on the same plant.....pkt. 5
Cloth of Gold. Foliage bright golden yellow, with scarlet flowers; distinct and pretty.....pkt. 5
Empress of India. The flowers are of a brilliant crimson.....pkt. 5
Golden Queen. A new variety, with bright yellow foliage and large golden yellow flowers.....pkt. 5
King of Tom Thumbs. Foliage is a beautiful blue green, with intense scarlet flowers.....pkt. 5
King Theodore. Blue green foliage, flowers dark maroon.....pkt. 5
Lady Bird. Rich golden yellow, barred with ruby crimson.....pkt. 5
Lilli Schmidt. Bright scarlet.....pkt. 5
Pearl. Cream white.....pkt. 5
Prince Henry. Light yellow, spotted and marbled with scarlet.....pkt. 5
Violet. Purplish violet.....pkt. 5
Yellow. Ochre yellow.....pkt. 5
Tom Thumb. Fine mixed, all colors.....oz. 15c., pkt. 5

New Liliput.

The plants of this new variety are in every respect smaller than the Tom Thumb, and the dainty little flowers, which appear in the most various and showy colors, are produced in the greatest profusion.....pkt. 5



Nasturtium.

Nicotiana.

Ornamental Tobacco. *Half-hardy annual.*

Affinis. Sweet scented, pure white, star-shaped flowers, three inches across, blooming continually in the greenhouse in winter or when bedded out in summer.....pkt. 5

Colossea. An immense variety; very ornamental.....pkt. 20

Nigella.

(Love in a Mist.) A very interesting class of plants, with curious looking flowers and seed pods. *Hardy annual.*

Double Mixed. Flowers blue and white; $\frac{1}{2}$ ft.....pkt. 5

Nasturtium.

Nasturtiums are probably the most popular flowers grown from seed.

Dwarf or Tom Thumb Varieties.

A charming class; unrivalled in beauty and effect; blooming from June until late in the fall; they require little care, [and will flower profusely on the poorest soil. *Hardy annual.*

Ardoise. Bright orange yellow, while the markings are a clear slaty mauve tinged with chocolate brown.....pkt. 5



Nicotiana Affinis.

Bruce's Peerless Collection of Dwarf Nasturtiums.

Ardoise, Bronze, Lilli Schmidt, Empress of India, Yellow, Violet, Golden Queen and Prince Henry.

Eight superb varieties mailed for 25 cents.

NASTURTIIUMS—Tall or Climbing Varieties.

Climbing Nasturtiums are admirably adapted for covering trellises, fences, tree trunks and the like. The flowers, cut, are very useful and handsome for house decoration. The seed, if picked young, is an excellent substitute for capers. *Annual.*

Crimson. Dark rich color.....pkt. 5

Edward Otto. Brownish lilac....." 5

King Theodore. Black brown....." 5

Moonlight. This is a counterpart of Sunlight, except in color, which is an exquisite pale straw.....pkt. 5

Nankeen. Yellow....." 5

Oriental. Orange, brightly marked with pink and scarlet; very handsome.....pkt. 5

Scarlet. Very attractive....." 5

Sunlight. The flowers are clear, rich golden-yellow; the petals are large and round, measuring more than $1\frac{1}{4}$ inches across, and are daintily crinkled.....pkt. 5

Vesuvius. Dark leaved; flowers salmon rose, a charming color.....pkt. 5

Von Moltke. Ruby rose....." 5

Fine mixed. All colors.....oz. 10c., " 5

Tall or Climbing Nasturtiums—Continued.

Tall Ivy Leaved. For description see Novelties, page 41.....pkt. 10

Madame Gunter, New Hybrids. This new selection is distinguished by its dark foliage and richness of color. There are shades of rose, salmon, bright red, pale yellow, etc., either self-color, spotted or striped. Its free and continued flowering makes it a useful and popular climber. All colors, mixed, oz. 20c.....pkt. 5

Tall Chameleon. This highly interesting variety presents a most unusual feature. On one and the same plant self-colored flowers are found, others curiously stained or flushed, while others are broadly edged with light shades, or have dark margins.....pkt. 5

Lobbianum. The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtium; the flowers, however, are produced in great profusion and intense brilliancy of colors. Mixed colors, oz. 20c.....pkt. 5

Oxalis

Beautiful small plants, suitable for the greenhouse, rockwork, baskets, or out-door culture, flowering the first year, if sown early; blooms in clusters; 9 inches. *Half-hardy perennial.*

Tropæoloides. Yellow; very pretty.....pkt. 5

Fine mixed....." 10

Pentstemons

The Pentstemons are amongst the best *perennials*. The flowers are large and beautifully marked, tubular in shape and produced in handsome spikes.

Choice mixed.....pkt. 10

Perilla

Nankinensis. Ornamental foliage plant of compact habit; leaves dark mulberry, a most useful bedding plant; 1½ ft. *Annual*.....pkt. 5

Pansy

(Heartsease.) This lovely flower, a favorite with everyone, is too well known to need any description. Seed sown in August or September, and kept in cold frames through the winter and planted out in the spring, will blossom abundantly the whole season; for summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. *Hardy perennial.*

Orchid Flowered. New. See Novelties, page 39. pkt. 25

NEW GIANT CURLED PANSY—MASTERPIECE

In this new type of Pansies the great advance consists in the very robust and compact habit of growth and in the immense size of the flowers, which have the remarkable feature of mostly having the margins of their petals undulated and curled. The flowers of this strain show many new shades of color, while each petal is distinctly marked with a large dark blotch.....pkt. 25

Bride's Maid. (New.) The flowers of this new variety are very large and of fine form. The ground color is a rosy white, rivaling in delicacy and beauty with the finest apple-blossom and most strikingly setting off the dark blotches of the centre.....pkt. 25

Ruby. (New.) Embraces the richest shades of red colors, from scarlet, scarlet orange, wine red to rose; the flowers are of large size and fine form.....pkt. 25

Bruce's Premium. In our premium Pansy we offer a strain that ranks *second to none* for the size of bloom, matchless form and substance; the flowers are beautifully blotched and pencilled with rich and striking colors.....pkt. 25

Bugnot's. The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked. Every lover of Pansies should give it a trial.....pkt. 25

Cassier's Five-Blotched. A new and beautiful strain, perfect in size and form.....pkt. 25

Giant Madame Perret. A beautiful new strain of rose and crimson shades; called the Wine Pansy.....pkt. 25

Paris Market. The flowers of this celebrated French strain are of a large size and produce a great diversity of the handsomest and rarest colors; a favorite with those that grow for the market.....pkt. 15

Fire King. The three lower petals each have a deep brown-red blotch with a broad margin of yellow, while the upper two petals are of a most intense fiery red.....pkt. 10

Lord Beaconsfield. Purple-violet, shading off, in the top petals only, to a whitish hue.....pkt. 10

Bruce's Peerless Collection of Tall or Climbing Nasturtiums.

Crimson, Edward Otto, Scarlet, Vesuvius, Oriental, Moonlight, Von Moltke and Nankeen Yellow.

Eight finest varieties mailed for 25 cents.

Ænothera

Evening Primrose. A free-flowering and useful class of plants for beds or borders.

Acaulis. Handsome, large, white-flowered variety.

Hardy annual; ¾ ft.....pkt. 5

Macrocarpa. Very large; golden yellow flowers.

Hardy perennial.....pkt. 5



New Giant Curled Pansy—"Masterpiece."

Pansy—Continued.

- Giant Trimardeau.** Flowers of immense size and beautifully marked; mixed colors.....pkt. 10
Giant White. An extra large white variety, with purple eye.....pkt. 10
Giant Yellow. Yellow, with large, black eye; one of the finest and showiest varietiespkt. 10
Giant Striped. Extra large flowers of various shades and stripes.....pkt. 10
Giant Spotted. Extra fine.....pkt. 10
Peacock. Large peacock-blue flowers with white flowers; very pretty.....pkt. 10
Red and Red Shades. New and popular shades of red and brown.....pkt. 10
King of the Blacks. Flowers intensely black " 10
Very Fine Mixed. All colors.....oz. \$1.50, pkt. 10
Fine Mixed. All colors.....oz. \$1.00, pkt. 5

Collections—Imported German

- Twelve choice varieties.....75
 Six choice varieties.....50
 Six choice varieties. Giant flowered.....\$1.00

Petunia

A very profuse flowering, easily cultivated garden favorite, for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early, and continues a mass of bloom the whole season. It is also very effective in pots for green-house or parlor decoration. *Half-hardy annual.*



Double Petunia.

Single Varieties.

- Fine mixed.** Self-colors; in great variety, oz. 75c., pkt. 5
Striped and Blotched. Unsurpassed mixture of splendid colors.....oz. \$1.25, pkt. 10
Inimitable New Dwarf. Very bushy; 5 to 6 inches high with regular striped flowers; they bloom uninterruptedly for months, and are exceedingly effective pkt. 10
Snowball. A charming dwarf-growing variety, with large snow-white, sweet scented flowers.....pkt. 10
Grandiflora. The flowers are of large size, with larger and more spreading throat than those of the common varieties, and come in many new and bright shades of coloring.....pkt. 20
Grandiflora Fimbriata. Single fringed varieties; flowers of very large size, of innumerable shades, colors and markings, all beautifully fringed....pkt. 20



Bruce's Premium Pansy.

Giants of California. A California strain of incomparable beauty. The flowers are of enormous size (4 to 5 inches across), and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades.....pkt. 25

Intus Aurea. Large flowered, yellow-throated; remarkably fine and distinct; a magnificent variety; all colors mixed. pkt. 20

Double Varieties.

Double Petunia. Splendid mixed. In this mixture will be found the best strain of large flowering, striped, blotched and fringed double Petunias, especially remarkable for the rich color and large size of the flowers, of which about 30 per cent. will be double.....pkt. 25

Collections—Finest Imported.

Single-Fringed. In four choicest varieties.....50
Double-Fringed. In six finest large flowering varieties. \$1.00



Petunia, Giants of California.

Phlox Drummondii.

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen, *Hardy annual*. Height 1½ ft. Fine mixed, all colors.....oz. 75c., pkt. 5

LARGE FLOWERING PHLOX.

Splendens. Crimson... pkt. 10	Rose. White eye..... pkt. 10
White " 10	Yellow. Garnet eye... " 10
Coccinea. Scarlet..... " 10	
Stellata Splendens. Crimson, with white star in centre... " 10	
Finest Mixed. All colors.....oz. \$1.00, " 10	
Collection (imported) of six separate colors..... 50	
" " of twelve separate colors..... 75	

NEW STAR PHLOX.

Cuspidata. Distinct and pretty; flowers are deeply serrated and petals pointed, giving them a star-like appearance..... pkt. 10

DWARF PHLOX.

Nana Compacta. Grows about 6 in. high. Fine mixed..... pkt. 10

DOUBLE PHLOX.

White. Double white; fine for cutting..... pkt. 10

Scarlet. Flowers semi-double; very pretty..... " 10

Yellow. This pretty double yellow flower possesses a slight perfume. It is worthy of note that in order to produce the best double flowers these Phlox should be grown in light soil..... pkt. 10
One pkt. each of the three separate colors for 25c.

HARDY PERENNIAL PHLOX.

Decusata. This charming hardy Phlox should have a place in every garden. Fine mixed, all colors... pkt. 10



Flox Drummondii.

Poppay.

A tribe of showy, free-flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies. *Hardy annual*.

Single Varieties.

Maid of the Mist. A magnificent giant white fringed variety; the petals are large and daintily incurved... pkt. 5
Danebrog. Large single variety, flowers of brilliant scarlet with a silvery white spot on the base of the petals... pkt. 5
Shirley. A beautiful strain, with single flowers of many colors; for bedding they cannot be excelled..... pkt. 5
Tulip. The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bears a similarity to a saucer, in which are set two erect petals of the same color... pkt. 10

Double Varieties.

Double Carnation Flowered. A magnificent class, with large globular flowers, the feathery petals being beautifully fringed; height 2 ft. Mixed colors..... pkt. 5
Double Pæony Flowered. The flowers of this variety are of immense size, very double and broad-petaled. Mixed colors.....oz. 20c., pkt. 5
Double French Ranunculus Flowered. Handsome and free-blooming; the flowers are very double and of every imaginable shade of color; height 2 ft..... pkt. 5
Snow Drift. Pure white, finely fringed..... " 5
White Swan. Pure white; beautiful..... " 5
Mikado. White, fringed crimson..... " 5
Double Mixed Garden Poppies. This choice mixture includes all the above, affording the greatest variety at the lowest price.....oz. 25c., ½ oz. 15c., pkt. 5

Perennial Varieties.

Iceland. A beautiful class of dwarf perennial poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stocks about a foot high..... pkt. 10

Giant Oriental. Dark red; extra fine..... " 10

Pyrethrum.

Handsome, free-blooming plants, with Aster-like flowers; fine for bouquets. *Hardy Perennial*.

Double Varieties. Finest Mixed..... pkt. 15 | **Single Varieties.** Finest mixed..... pkt. 5

Yellow Leaved Sorts.

Well-known dwarf growing plants, extensively used for bedding purposes.

Golden Feather (Aureum). Very popular..... pkt. 5

Fern Leaved. Distinct and pretty; foliage golden yellow..... " 10

Feverfew. See Matricaria, page 55.

| **Pinks.** See Dianthus, page 51.



Shirley Poppies.

Primula or Chinese Primrose.

One of the finest winter and spring blooming plants; of easy culture, blooming at a season of the year when flowers are generally scarce; they are indispensable for conservatory and house decoration. The seed we offer has been selected with great care from some of the finest strains, and we can with confidence recommend it.

Greenhouse Perennial.

White (*Fimbriata Alba Grandiflora*.) The standard white; very fine.....pkt. 25
Alba Magnifica. Superb large flower, with bright yellow eye; beautifully fringed, and borne in large trusses well above the foliage; finest white *Primula* grown.....pkt. 25
Mont Blanc. Snow-white flowers of good size and substance and exquisitely fringed.....pkt. 25



Primula or Chinese Primrose.

Purity. A strong growing variety, with distinct red stems; flowers are large, pure white, with sulphur eye.....pkt. 25
Violet Queen. The finely fringed flowers which are borne well above the foliage, are of an exquisite shade of violet, bordered with pure white.....pkt. 25
Rose. Bright rose; a superb variety..... " 25
Rubra. Rich red flowers, elegantly fringed..... " 25
" Viola. Violet crimson flowers; splendid..... " 25
Striped. White, striped with red..... " 25
Royal Blue. The finest of the blues..... " 25
Bruce's Superb Mixed. This embraces all the finest shades of color.....pkt. 25
Fern-Leaved Mixed. Fern-like foliage, finely fringed flowers.....pkt. 25
New Giant. A magnificent class of *Primula* of immense size; the flowers, which include many shades of color, are borne well above the foliage, are beautifully fringed and of great substance. Finest mixed.....pkt. 25
Princess Louise. Giant flowers. The superb flowers are of a charming shade of flesh-white.....pkt. 25

Double Varieties.

Embracing beautiful shades of magenta, scarlet, rose and white. The large double and semi-double flowers are invaluable for cutting during the winter months, when other flowers are generally scarce.....pkt. 25
PRIMULA OBCONICA GRANDIFLORA. While blooming as freely and constantly as the old *Obconica*, the flowers of this new variety are much larger; they vary in color from pure white to bright rose, making a very attractive pot plant; sown in February or early spring will bloom uninterruptedly from middle of May.....pkt. 25
PRIMULA OBCONICA GRANDIFLORA FIMBRIATA. A new fringed large flowering variety. For description see *Novelties*, page 39.....pkt. 25
PRIMULA OBCONICA, DOUBLE FLOWERED. One of the most valuable plants introduced in recent years. For description see *Novelties*, page 39.....pkt. 25
PRIMULA STELLATA. For description see *Novelties*, page 39.....pkt. 25
PRIMULA FORBESII. A very important addition to the Perpetual Flowering section of *Greenhouse Primulas*, for, like *Primula Obconica*, this species begins to flower in babyhood and continues a mass of bloom all the year round. Each flower stem bears 3 to 6 whorls of pale rosy lilac flowers, smaller than those of *Obconica*, but more charming and graceful.....pkt. 25

Primrose.

Mixed Hybrids. Flowers of these new Hybrids are produced in all shades of color, varying from white to crimson.....pkt. 10
Yellow. The old fashioned favorite.....pkt. 5

Primrose—Japonica.

This beautiful Primrose, growing about 1½ feet in height, produces from its tuft of robust leaves a stem bearing four or five separate tiers of whorls of charming flowers, each flower being an inch in diameter and of splendid magenta color. *Half-hardy perennial*.....pkt. 10

Primrose—Polyanthus.

Splendid free-flowering plants, either for pot culture or open border. *Hardy perennial*. Height ½ ft.
Gold Laced. Splendid mixed, from stage flowers.....pkt. 10
Hose in Hose. One of the most beautiful strains of this old garden favorite and one of the gems of English cottage gardens.....pkt. 20
Fine Mixed, border varieties...... " 10

Portulaca.

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled; and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeed best in light, gravelly soils and a warm situation. *Hardy annual*.

Single. Mixed colors; ½ ft.....oz. 6oc., pkt. 5
Double. Mixed, extra fine; ½ ft.....pkt. 10



Double Portulaca.

Rocket.

Very pleasing early spring flowers, profuse blooming plants, with deliciously fragrant flowers. *Hardy Perennial*. **Purple and White**. 1½ ft. each.....pkt. 5

**Rhodanthe.**

One of the handsomest everlastings for winter bouquets. The flowers require to be gathered when young and dried in the shade; succeeds best in a light, rich soil, and warm, sheltered situation. *Half-hardy annual*.

Mixed, Rose and Whitepkt. 5

RICINUS—See Castor Oil Beans, page 47.

Rosa Multiflora Nana.

Liliput Rose. This new dwarf Polyanthus Rose flowers the first season from seed. The flowers are single, semi-double and double, are of perfect form, and are produced in every color exhibited by other roses. The plants grow only about 15 inches high forming very neat compact bushes.....pkt. 10

Salpiglossis.

Highly ornamental and remarkably beautiful summer blooming plants. Their curiously penciled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edging, etc. *Hardy annual*.

Finest mixed. Large flowering sorts. Beautiful colors; 1½ ft. oz. \$1.50.....pkt. 5

Emperor Salpiglossis. This variety shows a very marked and striking distinction in habit as well as in its flowers. It forms only one single leading stem and bears on its crown a bouquet of the most beautiful flowers. Every one of them is richly veined with gold and considerably larger than those of the old "grandiflora" type. The throat is wide open and short. The edge of the flower is not so deeply incurved as with the old variety, which gives it a more round and graceful shape.....pkt. 10

Salvia.

(Flowering Sage). Well-known for their brilliant colors; no plants can be finer for bedding. They are easily grown, free-flowering and showy. *Perennial*.....pkt. 5

Little Lord Fauntleroy. For description see novelties, page 39....." 25

Splendens. Brilliant scarlet flowers; a magnificent variety; 3 ft....." 10

Splendens Compacta. In habit more dwarf and compact than above; flowers intense scarlet; unsurpassed for bedding and pots; 2 ft.....pkt. 15

Patens. Handsome large, deep blue velvety flowers; highly recommended; 2 ft....." 25

Emperor Salpiglossis. Remarkable for its long flower spikes of lavender blue color....." 5

Coccinea. Scarlet, very showy, 1 ft....." 5

SNAPDRAGON—See Antirrhinum, page 43.

Saponaria.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edging they are unequalled, bearing cutting back if necessary. *Hardy annual*.

Calabrica. Rich deep pink; ½ ft.....oz. 40c., pkt. 5

Scabiosa.

Sweet Scabious. The flowers are double, remarkably handsome and very richly colored, crimson, purple, pink and lilac shades predominating; splendid for cutting. *Hardy annual*.

Dwarf mixed. Double, all colors; 1 ft.....pkt. 5

Tall mixed. Large flowered, double varieties; 2 ft....oz. 30c., " 5

Double White. Snowball extra; 2 ft....." 5

Double Yellow. A new color; very pretty....." 5

Caucasica. One of the handsomest of *hardy perennials*, especially valuable for cutting, the bloom lasting a long time in water, lilac blue; 3 ft.....pkt. 10

Caucasica alba. Large, pure white flowers; fine contrast to preceding; very handsome.....pkt. 10

Sensitive Plant.

(Mimosa). Very curious and interesting plants, their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 ft. *Half-hardy annual*.....pkt. 5

Smilax.

A well-known green-house plant; largely used by florists for table and house decorations; flowers white.....pkt. 5



Sweet Scabious.

STOCKS.

The Stock is one of the most popular, beautiful and important of our garden favorites. Whether for bedding, massing, edging or ribboning, it is unsurpassed either for brilliancy or diversity of color, or duration of bloom. *Half-hardy annual*.



Stocks.

Sunflower.

(*Helianthus*). Very showy plants; remarkable for their stately growth and the brilliancy and the size of their flowers, and well adapted for large shrubby borders or round the margin of lakes or ponds. *Hardy annual*.

Single Varieties.

Miniature. Of dwarf branching habit, producing an abundance of small flowers of a bright golden yellow, with dark centre; one of the finest; 3 ft. oz. 25c., pkt. 5

New Miniature Seedlings. These new seedlings retain the same growth and freedom of flowering of the original Miniature Sunflower, but the individual flowers are most distinct in color and markings. They come in charming shades of orange, lemon-yellow and light primrose. Some of the single flowers, with their twisted petals, resemble the Cactus-Dahlia, others are semi-double, whilst others are quite double and full centred like those of the large-flowered double sorts. As a cut flower their convenient size and bright coloring make them invaluable for decorative purposes; these include last year's novelties pkt. 5

Variegatis. Foliage green and white, 4 ft. pkt. 5

Giant Russian. Very large; 8 ft. " 5

Primrose Dame. Sulphur yellow, with black centre; 6 ft. oz. 15c., pkt. 5

Uniflorus. Very tall, enormous flowers; 10 ft. oz. 20c., pkt. 5

Double Varieties.

Chrysanthemum - Flowered. Grows seven feet high and bears profusely all summer long. Flowers are perfectly double, and of the very brightest golden-yellow. The plants remain in bloom a long time and bears flowers of so many sizes that any one can suit himself as to what size would make the prettiest bunch. The flowers are so perfect in form that they resemble very double Chrysanthemum-flowered Asters with long stems. pkt. 5

Globosus Fistulosus. Handsome large flowered; 5 ft. oz. 25c., " 5

Green Centred. Bright yellow with green centre; 4 ft. oz. 25c., " 5

Many-flowered Double. Handsome and ornamental; it grows erect, about 4 feet in height, with only a single stock, but at each leaf joint is a very short stem, terminating in a fine double flower. The terminal flower is the largest, being from 6 to 8 inches in diameter oz. 25c., pkt. 5

Dwarf Double. Very attractive; 4 ft. oz. 25c., " 5

Tall Double. Large, bright yellow flower; 5 ft. oz. 25c., " 5

SWEET SULTAN—See *Centaurea*, page 48.

Stocks—Continued.

Summer Flowering, Ten Week Varieties.

Fine mixed.	oz. \$1.50, pkt. 5
Choice Double mixed. Large flowered sorts, extra fine.	" 10
Pure White	" 10
Royal Gem. Rich dark crimson	" 10
Giant Perfection. Choice mixed.	" 10
Princess Alice. (Improved Giant White Dresden or Branching). This magnificent stock produces enormous spikes of large Double White flowers, splendid for cutting	pkt. 10
Triumph. Brilliant Scarlet.	" 10
Snowflake. White forcing; a grand variety.	" 25
Collection, Large Flowering. Twelve finest varieties.	75
" " " Six finest colors.	50

East Lothian Intermediate Stocks.

These stocks when properly cultivated, are acknowledged to be the best of all intermediate varieties; the purity and constancy of their respective colors, their continuous blooming and great percentage of double flowers which they produce, renders them the most valuable for garden or pot culture.

White and Crimson. Mixed or separate colors. pkt. 25

Biennial Stocks.

Brompton, Snow White. Large flowered early variety, of dwarf compact habit; producing 70 per cent. of very double pure white flowers. pkt. 15

Brompton Scarlet. Covent Garden variety. " 15

Stevia.

Serrata. The tiny white flowers are produced in graceful sprays; valuable for cutting. pkt. 10

Streptocarpus.

Cape Primrose. New Hybrids, see novelties on page 39. pkt. 15



Chrysanthemum-Flowered Sunflower.

The flowers are so perfect in form that they resemble very double Chrysanthemum-flowered Asters with long stems. pkt. 5



SWEET PEAS.

These lovely and deliciously perfumed flowers are everywhere appreciated. They possess all the qualities which are prized in decorative flowers, gracefulness of form, brilliant and varied coloring, slender stem and sweet perfume. When cut for filling vases the blooms will last for days. The seed should be sown *as early as the ground can be worked* in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may also be sown with great advantage late in the autumn.

A Carefully Revised List of the Best New and Standard Varieties.

PURE WHITE, PRIMROSE AND VERY LIGHT SHADES.

Coquette. Light primrose, yellow shaded, pale lavender; pkt. 5c., oz. 10.

Emily Henderson. Pure white, extra fine; pkt. 5c., oz. 10c.

Mont Blanc. This new variety is an exact counterpart, in habit of growth and extremely early flowering, of *Earliest of All*; the flowers are of the purest snowy whiteness, pre-eminently suited for forcing purposes; pkt. 5c., oz. 15c.

Mrs. Dugdale. Standards most lovely rose, shaded rich primrose; wings primrose, shaded and splashed light rose—a most charming color. Pkt. 5c., oz. 10c.

Mrs. Eckford. Delicate primrose yellow; exquisite. Pkt. 5c., oz. 10c.

Queen Victoria. Color, soft yellow subtly overlaid with faint purple, imparting a lustre most desirable but difficult to describe. Pkt. 5c., oz. 10c.

Ramona. A creamy white, daintily splashed and striped with pale pink on both wings and standard. Pkt. 5c., oz. 10c.

Sadie Burpee. Pure pearly white, of perfect form and substance, and of large size. Pkt. 5c., oz. 10c.

Stella Morse. Deep cream with blush pink edge. Pkt. 5c., oz. 10c.

PINK AND ROSE.

Countess Lathom. A charming delicate pink self; the flowers, borne on long stems, are of splendid substance and lasting qualities. Pkt. 5c., oz. 10c.

Earliest of All. Standard rosy pink, wings white, lightly tinged with pink, growing only about 2 feet high; it comes into bloom fully ten days earlier than Extra Early Blanche Ferry. A most desirable variety for forcing. Pkt. 5c., oz. 10c.

Emily Lynch. Deep rose pink, shaded buff. Pkt. 5c., oz. 10c.

Hon. F. Bouverie. Standards a most beautiful coral-pink, wings slightly lighter of same color. Pkt. 5c., oz. 10c.

Lovely. Soft shell pink, wings delicate rose. Pkt. 5c., oz. 10c.

Majestic. Borne almost uniformly three on a stem; the flowers are of the largest size and most perfect form, slightly hooded; the standard is a deep rose pink, of rich tone, while the wings are also deep rose, but even softer in tone. Pkt. 5c., oz. 15c.

Pink Friar. Soft rose pink suffusing a white ground color, very attractive. Pkt. 5c., oz. 10c.

Prima Donna. A most lovely shade of soft pink, of large size and fine form; a *great gem*; very frequently bears four flowers on a stem, which are very prettily placed. Pkt. 5c., oz. 10c.

SWEET PEAS—Continued.**PINK AND ROSE—Continued.**

Royal Robe. Standards a rich but delicate pink; wings a soft blush pink; an exquisite variety. Pkt. 5c., oz. 10c.

Royal Rose. The standards deep rosy pink; the wings a light rosy pink; almost a self-colored flowered. Pkt. 5c., oz. 10c.

Venus. Salmon-buff; magnificent flower. Pkt. 5c., oz. 10c.

ORANGE AND PINK.

Aurora. The flowers which are *gigantic in size*, are borne three or four on a stem; the color effect is gorgeous. Both standards and wings are flaked and striped on a white ground, with *bright orange salmon*. Pkt. 5c., oz. 10c.

Gorgeous. Standard rich orange-salmon, wings bright orange rose. Very showy. Does best where not exposed very much to the sun. Pkt. 5c., oz. 10c.

Oriental. Cream color, heavily veiled with orange-salmon. Pkt. 5c., oz. 10c.

Lady Mary Currie. A deep orange-pink, delicately shaded rosy lilac, a most charming flower of exquisite brilliancy. Pkt. 5c., oz. 10c.

RED, SCARLET AND CRIMSON.

America. Bright cardinal stripe on pure white ground. Pkt. 5c., oz. 10c.

Lord Kenyon. A most perfect self; rose magenta, flushed crimson, deepening toward the edges; this is a flower of splendid size and substance. Pkt. 5c., oz. 10c.

Prince Edward of York. Finely expanded standards of a charming shade of scarlet, and large wings of the deepest rose color. Pkt. 5c., oz. 10c.

Prince of Wales. A bright rose-self of intense color and fine bold form, bearing three and frequently four flowers well placed on long, stout stems. Pkt. 5c., oz. 10c.

Salopian. A superbly beautiful variety. Color, deep crimson tinged with mulberry red suffused with rich orange scarlet; flowers large, finely formed and handsome; without doubt the very finest red. Pkt. 5c., oz. 10c.

LAVENDER AND MAUVE.

Admiration. Pink mauve, on a ground of light primrose, wings a shade lighter than standard, but almost self-colored. Pkt. 5c., oz. 10c.

Countess Cadogan. Standards slightly hooded, of a bright, shining, violet color overlaid with a charming light sky-blue; wings a pure sky-blue. Pkt. 5c., oz. 10c.

Countess of Radnor. Improved. (New Countess). Standard lavender; wings pale blue; a charming flower. Pkt. 5c., oz. 10c.

Dorothy Tennant. Rosy mauve; a handsome flower. Pkt. 5c., oz. 10c.

Fascination. This is a flower very difficult to describe correctly. The standards are delicate magenta-mauve, flushed mauve, wings deep mauve; robust plant, long stout stems. Pkt. 5c., oz. 10c.

Lady Grisel Hamilton. Color a beautiful shining pale lavender. In form it is one of the most advanced giant-flowered type. Pkt. 5c., oz. 10c.

Lottie Eckford. Flowers large, standard white, shaded mauve; wings white, blue-edged; very handsome. Pkt. 5c., oz. 10c.

Maid of Honor. Beautiful flowers, shaded light blue on a white ground and edged with violet. Pkt. 5c., oz. 10c.

DARK BLUE, PURPLE AND MAROON.

Black Knight. A very deep maroon self, the best of the color; the plants are of vigorous growth and free flowering. Pkt. 5c., oz. 10c.

Captivation. Rosy purple self, shell-shaped standard; distinct and beautiful. Pkt. 5c., oz. 10c.

Duke of Clarence. Large, rosy-claret. Pkt. 5c., oz. 10c.

Duke of Sutherland. Purplish maroon standard, indigo blue wings, a very dark variety. Pkt. 5c., oz. 10c.

Duke of Westminster. A deep rose-maroon overlaid with bright shining violet; a grand flower, quite unique, being perfectly distinct from any other variety. Pkt. 5c., oz. 10c.

Emily Eckford. Rosy mauve changing to an almost true blue; extra. Pkt. 5c., oz. 10c.

Navy Blue. General color effect dark blue; standards brilliant royal purple; wings pure violet; the best of the color yet introduced. Pkt. 5c., oz. 10c.

Othello. A beautiful dark brown chocolate red, self-colored flowers, a color not before attained. Pkt. 5c., oz. 10c.

Shahzada. A decided advance in the direction of dark colored Sweet Peas. The color, rich dark maroon with a shade of purple, is most distinct and attractive. Pkt. 5c., oz. 10c.

SWEET PEAS IN MIXTURE.

Bruce's Choice Mixed. This superb mixture is a choice blending (mixed by ourselves) from named varieties only, including many of Eckford's best, insuring a most satisfactory result in colors, and vastly superior to the ordinary mixture sold, which usually contains a large proportion of dull colors. Pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Good Mixed. pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

NEW SWEET PEAS.**Eckford's Novelties.**

Coccinea. Soft cherry-red self-colored flower, a new and distinct shade, very bright and attractive; flowers of good size; semi-hooded. Pkt. 5c., oz. 15c.

George Gordon. Bright claret-red, a self-colored, flower of the largest size; hooded form. Pkt. 5c., oz. 15c.

Honble Mrs. E. Kenyon. Primrose, self-colored, large, semi-hooded flower, this is the largest and best of this shade. Pkt. 5c., oz. 15c.

Lady M. Ormsby Gore. Standard buff and primrose; wings light primrose; the flowers are very large and of hooded form. Pkt. 5c., oz. 15c.

Miss Willmott. A grand flower of great substance, standard rich, deep orange pink, wings rose with orange tint; semi-hooded form; flower-stems long and stiff, and plant very vigorous. Pkt. 5c., oz. 15c.

SWEET PEAS—Continued.**NEW BUSH SWEET PEAS.**

This, like the Cupid, is a new race of entirely distinct growth, differing from both the Tall and the Cupid types, though partaking somewhat of the character of each. It has proved very satisfactory in growth and freedom of flower, particularly in light warm soils. The plants are semi-erect, fifteen to eighteen inches high when in full flower, but branching freely so that the close bushes are frequently fifteen inches and more in diameter, composed of short erect branches with abundant light green foliage. The flowers are of nearly equal large size, fine form and beautiful coloring as the Tall varieties, and are quite distinct from the Cupid type in being borne on long, slender stems. As the stems of flowers can be cut with some of the neat attractive foliage, *they are most desirable for bunching in bouquets or used as floral decorations.*

Bush Blanche Ferry. Standard rose pink, wings bluish white. Pkt. 5c., oz. 15c.

Bush Gray Friar. Heavily shaded with watered purple markings on creamy-white ground. Pkt. 5c., oz. 15c.

Bush Monarch. Deep claret or wine brown, wings purple. Pkt. 5c., oz. 15c.

Bush Prima Donna. Pale pink, lovely shade. Pkt. 5c., oz. 15c.

Bush Sadie Burpee. Pure white. Pkt. 5c., oz. 15c.

Bush Senator. Deep purplish maroon, heavily striped on white ground. Pkt. 5c., oz. 15c.

Bush Stella Morse. Primrose flushed pink. Pkt. 5c., oz. 15c.

Mixed. All colors. Pkt. 5c., oz. 15c., 2 ozs. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

NEW DWARF SWEET PEAS.

Plants of this new and distinct race of Sweet Peas are seldom more than six to eight inches in height, and form a dense mat of richest green foliage fifteen inches or more in diameter. The flowers are **fully equal in size** to those of the tall growing varieties, but are placed closely together, generally three or four at the top of a stout stem. For bedding, bordering or cemetery decoration they are especially valuable.

White Cupid. The flowers are pure white, of good form and substance. Pkt. 5c. oz. 10c.

Pink Cupid. Standard bright, rose-pink, wings creamy-white. Pkt. 5c., oz. 10c.

Boreatton Cupid. Rich, wine brown, shaded rosy purple. Pkt. 5c., oz. 10c.

Countess of Radnor Cupid. Lavender and pale blue, very pretty. Pkt. 5c., oz. 10c.

DWARF SWEET PEAS—Continued.

Firefly Cupid. Flowers brilliant scarlet. Pkt. 5c., oz. 10c.

One pkt. each of the above 5 Cupids for 20c.

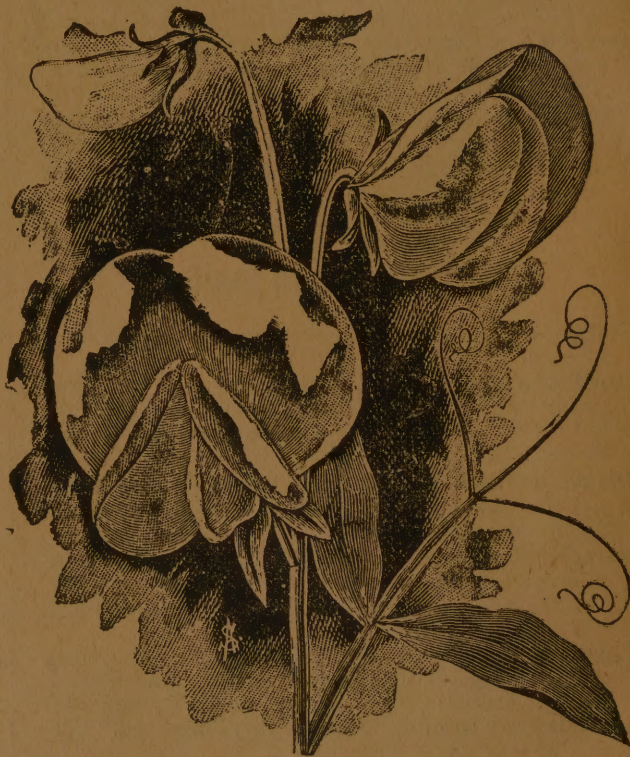
One ounce each of the above 5 Cupids for 40c.

Choice Mixed Cupids. Pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

DOUBLE SWEET PEAS.

We do not consider these so beautiful as the expanded large single flowers. We have as good a strain as any, but not more than about thirty per cent. of the flowers, as yet, come double from the seed. From the most carefully selected stock seed, saved only from the best plants bearing double flowers, we offer the following:

Mixed DOUBLE SWEET PEAS pkt. 5c., oz. 10c., 2 ozs. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



New Sweet Pea, Mont Blanc.

SWEET PEAS IN COLLECTIONS.**BRUCE'S ROYAL NOSEGAY.**

One packet each of the ten Superb Varieties described below, mailed, for 25 cents.

MONT BLANC. Pure White.

SALOPIAN. Crimson.

MAJESTIC. Rose Pink.

COUNTESS OF LATHOM. Delicate Pink.

COUNTESS OF RADNOR. Lavender.

MRS. ECKFORD. Primrose Yellow.

COUNTESS OF CADOGAN. Violet and Light Blue.

OTHELLO. Dark Chocolate Red.

VENUS. Salmon Buff.

EARLIEST OF ALL. Pink and White.

The varieties in above Unequalled Collection have been specially selected to give the greatest diversity of the choicest and most striking colors.

NOVELTY COLLECTION. Eckford's 1902 Set.

COCCINEA, **GEORGE GORDON,** **MISS WILLMOTT,** **HONBLE MRS. E. KENYON,**
and **LADY M. ORMSBY GORE.**

The five packets and one packet of the New Bush Sweet Pea, mixed colors, mailed, for 25 cents.

SWEET ALYSSUM—See page 42.**SWEET WILLIAM.**

Dianthus Barbatus. Well-known and popular *biennial*, of easy culture. The plants are hardy and of a vigorous growth; the flowers sweet scented, borne in profusion, are of extreme richness and variety of color.

Hunt's Perfection. Splendid strain.....pkt. 5

Dunnett's Dark Crimson....." 5

Double. Finest mixed. pkt. 5 | **Single.** Finest mixed. oz. 30c., " 5

THUNBERGIA.

Handsome, free-flowering and rapid growing climbers, for the conservatory or out-door cultivation. *Half-hardy annual.*

White, with dark eye.....pkt. 5

Orange, with dark eye....." 5

Pure White.....pkt. 5 | **Choice Mixed**....." 5

TORENIA.

A very fine *annual*, forming a splendid plant for vases, hanging baskets, greenhouses, or for growing out of doors.

Fournieri. Large sky-blue flowers, with three spots of dark blue, and bright yellow centre.....pkt. 10

White Wings. An attractive pure white variety....." 10

Bailloni. Golden yellow, with brown-red throat....." 20

XERANTHEMUM.

Very showy, free flowering everlastings; valuable for winter bouquets. *Hardy annual.*

Purple, Yellow and White. Mixed; 2 ft.....pkt. 5



Sweet William.

VALERIAN.

Very showy border plants, with large umbels of light colored flowers. *Hardy perennial.*

Fine Mixed.....pkt. 5

VERBENA.

A universal favorite, raised from seed sown in January or February will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. *Half-hardy perennial.*

Fine mixed. All colors.....oz. \$1.00, pkt. 5

Choice mixed. From named flowers....." 10

Striped Italian. Very fine....." 10

New Mammoth. The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size, and embrace all the beautiful new colors and shades.....pkt. 10

Mammoth White....." 10

Scarlet....." 10

Collection. (Imported.) Of six finest colors.....60

VIRGINIAN STOCK.

Extremely pretty, profuse blooming little plants; effective in small beds, baskets or edgings; grows freely in any soil. *Hardy annual.*

Red. $\frac{1}{2}$ ft.....pkt. 5

VIOLET.

Well-known fragrant spring flowering plants. *Hardy perennial.*

White Perpetual. Very pretty; $\frac{1}{2}$ ft.....pkt. 10

The Czar. Large flowered purple....." 10



Verbena.

• • Special Mixture of • •
Flower Seeds for Wild Flower Gardens

These mixed flower seeds embrace a great variety of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during the summer. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 30c.



Sweet Scented Violet.

ZINNIA.

Very handsome, free-flowering plants, of great richness and variety of color, which have long been general favorites. The flowers measure two to three inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose, red, orange and buff; they resemble in their outline a fine double French Marigold, but much larger in size. *Half-hardy annual.*

- Tall Double Mixed.....oz. 50c., pkt. 5
- Dwarf Double Mixed.....oz. 50c., " 5
- Double White.....pkt. 5 | Double Scarlet..... " 5
- Giant Flowered. This variety forms a handsome bush, 3 feet in height, and the mammoth double flowers, measuring 5 to 6 inches across, are of the most brilliant colors.....pkt. 5
- Liliput Flowered. A charming new class, with small and very double flowers, excellent for bouquets; mixed colors. Pkt.....10
- Crested and Curled. The flowers are large and double, the petals being twisted and curled into most graceful forms; all shades and color; finest mixed.....pkt. 5
- Collection of six finest double varieties.....50

WALLFLOWER.

- A well-known fragrant plant. *Half-hardy perennial.*
- Golden King. Fine yellow; 2 feet.....pkt. 5
 - Harbinger. Very early, color brown....." 5
 - Fine Mixed.....oz. 40c., " 5
 - German Double. Choice mixed; 2 feet....." 10

New Annual Wallflower.

Flowering the same season from spring-sown seed, their adaptability for pot culture and out-door planting, with their delicious, fragrant, light brown flowers, should make these New Annuals general favorites.....pkt. 5



Zinnia.

ORNAMENTAL GRASS SEEDS.

Are particularly valuable for the formation of winter bouquets, wreaths and other ornaments, in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade.

Those marked with an Asterisk are Perennial Species.



Wallflower.

- Agrostis Pulchella. Very beautiful.....pkt. 5
- Agrostis Nebulosa. The most elegant of ornamental grasses, " 5
- Briza Maxima. One of the most ornamental grasses; perfectly hardy.....pkt. 5
- Briza Gracilis. Very beautiful variety from Cape of Good Hope.....pkt. 5
- *Bromus Brizæformis. Very fine grass, with elegant hanging ears.....pkt. 5
- Chloris Barbata. Small growth and tassel like....." 5
- Coix Lacryma. (Job's Tears.) Broad, corn-like leaves....." 5
- Eragrostis Elegans. An elegant airy grass of dwarf growth, " 5
- *Erianthus Ravennæ. Extremely elegant, resembling the Pampas Grass in appearance and habit of growth; its noble plumes of silvery inflorescence are pure white and delicately beautiful; 7 ft.....pkt. 5
- *Gynerium Argentum. (Pampas Grass.) The most noble grass in cultivation; flowers second season; not quite hardy here, though we have kept plants safely by covering with leaves, pkt. 5
- Hordeum Jubatum. One of the finest for bouquets....." 5
- Lagurus Ovatus. (Hare's Tail Grass.) Small white plumes; 1 ft.....pkt. 5
- *Stipa Pennata. (Feather Grass.) Magnificent but rather difficult to grow without heat.....pkt. 5
- Tricholæna Rosea. Exceedingly pretty....." 5

DAHLIAS.

Finest Double and Single.

Selected from the finest collection in Canada; the tubers are large, and each will produce from two to three strong eyes. Plant when the ground is dry and warm, from middle of May to middle of June; in rich loamy soil; water frequently after planting and tie to stakes. A little pruning and thinning out will produce extra large blooms. About the middle of October take up the roots and place on shelves in a dry cellar, free from frost. Self colors and fancy varieties. Named, 20c. each, \$2.00 per doz.

Cactus and Pompon.

This beautiful class produces flowers of exquisite form and color, and are very valuable for table bouquets and other floral decorations. Named, 20c. each, \$2.00 per doz.

GLADIOLUS for Spring Planting

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. The great wealth and variety of color, the richness of their markings, the size of the flowers and the profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or for growing as single specimens.

CULTURE—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May up to the end of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Champ de Mars. Solferino. Distinct white blotch, bordered carmine. Each 15
Gen. Phil. Sheridan. Fiery red, white line running through each petal, and a large pure white blotch on the lower division. Each 10
Isaac Buchanan. Very fine yellow " 5
Octoroon. A beautiful salmon-pink; very distinct " 15
Snow White. The only pure white; large, well-opened flowers and enormous spikes. Each 20
Childsii. A new departure in Gladiolus; in growth they are much stronger and more vigorous than the others very tall and erect, branching freely, and with immense spikes of bloom. The flowers are of great substance, and of large size, and the coloring cannot be surpassed by even orchids. Every color known among Gladiolus, and many never before seen, are represented in this beautiful class. Each, 5c; per doz 50c; per 100, \$3.00.

The following are all Childsii varieties:

Africa. Dark amaranth, shaded black, with large green-tinted white centre. Very distinct, odd and conspicuous. Each 20



Aurea Superba. Foliage a distinct yellow color, flowers and spike large; color soft orange scarlet, with distinct white blotches and mottling. Each 10

Brilliant. Beautiful orange-red, with carmine and white throat Each 15

Columbia. Light orange-scarlet, freely blotched and penciled with bluish purple. Throat freely mottled. Each 10

Dr. Parkhurst. A spike nearly three feet in length and bearing upwards of twenty-five flowers. Dark, brilliant red with an elegantly white mottled throat. A superb variety. Each 15

Ethel. Beautiful soft rose color with white and crimson throat. Each 10

Elaborate. Bright fiery red, freely pencilled with brilliant amaranth, and large white throat Each 20

Eva. Beautiful rose, shaded and marked with slate. Throat finely mottled with various colors. Each 15

Henry Gillman. Deep salmon-scarlet, with pure white bands; the throat showing peculiar mottling. Each 10

Lael. Soft pink, with bright carmine throat, shaded with orange and having a peculiar metallic lustre. Enormous flower and spike Each 20

Mottled Gem. Large, spreading flower showing an unusually large throat, beautifully mottled white, violet and scarlet. Each 15

Mrs. Beecher. Beautiful deep rosy crimson. Large well-opened flower with pure white throat, freely marked and spotted Each 10

Nakomis. Soft pink, blotched and shaded with orange; white and crimson throat. Enormous spikes, each 20

Old Oxford. Slaty crimson, heavily clouded with blue. Large, crimson and white mottled. Each 10

Princeton. Large, flaming red with violet and white mottlings in throat. Spikes of great length. Each 10

Ruby. Very dark deep ruby-red, with bright violet and white mottling in throat; an exceedingly rich color. Each 20

Senator Childs. Large well-opened flower, deep-glowing red, with enormous white throat. Each 20

Splendor. A splendid large flower of the softest, sweetest rose color. Large magenta stains, with purple and white mottlings. Each 15

Torch Light. Very fine spikes of large, light, flaming scarlet flowers. Throat mottled and spotted white and violet. Each 15

William Falconer. Spikes of great length and flowers of enormous size. Light pink and blush, mottled. Each 10

The above collection of 25 grand separate varieties. \$2 75

Collection of 12 varieties our selection. 90

Lemoine's New Hardy Hybrids. The odd and fantastic markings of these Gladiolus and their beautiful shape resemble the fascinating beauty of the orchid; yellow, crimson, white, brown, pink, etc., are blended together, producing an effect seen in no other flower. Fine mixed varieties, each, 5c., per doz. 40c., per 100, \$2.25.

Groff's Hybrids. This is a mixture and hybrids of all sorts. Gandevensis, Lemoinei and Childsii, giving in one bed the greatest possible range of colors and varieties. Each, 10c., per doz. 50c., per 100, \$3.00.

GLADIOLUS IN SEPARATE COLORS

White and Light. Mixed; superb, per dozen 45c; per 100, \$3.00.

Scarlet and Red. Extra fine mixed, per dozen 35c; per 100, \$2.00.

Pink. Fine pink and rose shades, per dozen 40c; per 100, \$2.50.

Yellow and Orange. Best yellow colors, per dozen 75c; per 100, \$5.00.

Striped and Variegated. Extra fine, per dozen 60c; per 100, \$4.00.

All colors, finest mixed, per dozen 30c; per 100, \$2.00.
 " choice " 25c; " 1.50

We do not deliver Bulbs at 100 price. Add for postage 25c per 100.

FLOWERING BULBS.

Gloxinias and Tuberous Begonias.

Our stock of these beautiful and interesting plants is from a celebrated Continental grower, and can be recommended with confidence. We offer dormant flowering bulbs of the following:

Gloxinias.	Separate colors pure White, Scarlet, Scarlet with white throat, Tigered and Spotted.....	each	20
"	Mixed colors.....	"	15
Begonias.	Single separate colors, White, Pink, Crimson, Scarlet and Yellow.....	"	15
"	Single mixed colors.....	"	10
"	Double separate colors, White, Pink, Crimson, Scarlet and Yellow.....	"	20
"	Double mixed colors.....	"	15

Double Tuberose.

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white wax-like flowers are produced on long spikes. Plant in the open ground in May; the bulbs can be started much earlier in pots if desired. Place in a sunny spot in a rich soil and cover the top of the bulbs to the depth of an inch.

The Pearl. Large flowering roots, first size..... Each, 5c.; per doz., 40c.; per 100, \$2 50

Lilies, Etc.

	Each.	Per doz.		Each.	Per doz.
Auratum. (Golden Japan Lily.)			Tenuifolium	\$0 15	\$1 50
White ground with purple spots, flaked and striped with gold....	\$0 15	\$1 50	Tigridias. Mixed.....	10	1 00
Elegans. Mixed, many colors....	10	1 00	Calliopsis Lanceolata	10	1 00
Lancifolium. Album, white Japan	15	1 50	Hyacinthus Candicans	10	1 00
" Rubrum, red Japan,	15	1 50	Iris German. Mixed.....	15	1 20
Pardalinum. (Leopard).....	15	1 50	" Kaempferi. Mixed.....	15	1 50
Tigrinum. (Tiger).....	10	1 00	Madeira Vines	10	60
Umbellatum. Many colors.....	15	1 50	Cinnamon Vine	10	1 00
Wallacei. Bright Apricot.....	10	1 00	Rudbeckia. Golden Glow.....	20	2 00
Spider Lily	15	1 50	Tuberous Rooted Wistaria	10	1 00
			Montbretia. Mixed.....	10	60

Colocasia (Caladium) Esculentum.

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn. First size, 20c. each; \$2.00 per dozen. Second size, 10c. each; \$1.00 per dozen. Fancy leaved varieties, 20c. each; \$2.00 per dozen.

Strawberry Plants.

When Ordered to be Sent by Mail, add 20 Cents for Postage on Every 100 Plants.

The following list consists of the standard varieties in general cultivation:

Clyde (New Early). This splendid new variety has fruit of enormous size, bright scarlet in color, in shape round and conical. It is one of the most productive varieties on record, stands the dry season well and has given immense satisfaction wherever grown, being a vigorous grower, early and of fine quality..25c per doz., \$1 per 100.

	Per doz.	Per 100
Michael's Early. An extra early variety; prolific bearer; color scarlet.....	\$0 25	\$1 00
Brandywine. A fine variety, of immense size, continues a long time in bearing.....	25	1 00
Williams. A valuable variety of Canadian origin; fruit large and handsome; an abundant bearer and excellent flavor; largely grown for market purposes.....	25	1 00
Van Deman. The best first early, prolific, large and of rich quality.....	25	1 00

Raspberry Plants.

	Per doz.	Per 100
Columbia. A wonderful red variety, in great demand; a vigorous grower and very prolific..	\$0 60	\$ 3 00
Cuthbert. Red, vigorous and very hardy; an abundant bearer; fruit large and of fine flavor,	40	2 25
Golden Queen. The best of yellow Raspberries.....	40	2 50
Gregg. The best of all black cap varieties.....	40	2 00

Currants and Gooseberries.

	Per doz.	\$1 00		Per doz.	\$1 00
Red Cherry	Per doz.	\$1 00	Black Naples	Per doz.	\$1 00
Raby Castle Red	"	1 00	Gooseberries. Smith's Improved White	"	1 50
Fay's Prolific Red	"	1 00	" Downing.....	"	1 50
Black Champion	"	1 00	" Red Jacket.....	"	1 50

When Currants, Gooseberries or Raspberries are ordered to be sent by mail, 25 cents additional must be remitted on each dozen ordered, to prepay postage. Express is the most satisfactory way of sending these plants.

Ampelopsis Veitchii (Japanese or Boston Ivy).

This handsome and rapid growing climber, generally known as Boston Ivy, is adapted for covering brick or stone houses or walls. Its foliage, which is a lively green in summer, changes in autumn to a brilliant crimson, producing a most gorgeous effect. It will, in a short time, entirely cover the side of a large building, and far surpasses the Ivy. Strong plants 25 cents each; \$2.50 per dozen, postpaid.

Hardy Perennial Plants.

This section of the world's flora is particularly adapted for Canadian gardens, enduring as most of them do our long severe winters without the least protection and producing their lavish flowers for many seasons without transplanting or any special care. Perennial plants present a marked contrast to annuals or summer bedding plants, and it is with pleasure that we note their growing popularity. The variety of form and color that can be used is almost endless, and with a judicious selection of varieties the border may be kept gay with flowers from the time the frost leaves the ground till the late fall.

These plants, once established, are usually good for a generation, their permanance and easy management are strong points of recommendation.

	EACH.
Achillea. The Pearl.....	15
Alyssum Saxatile	20
Arabis Albida	15
Hardy Asters. (Michaelmas Daisies).....	15
Anemone Japonica. (Japan Wind-flower.).....	20
Chrysanthemum Uliginosum	20
" Maximum	15
Campanula Persicæfolia. (Bell-flower.).....	15
Clematis Davidiana	25
Dictamnus Fraxinella. Gas Plant.....	25
Echinops. (Globe Thistle.).....	20
Daisy, Hardy. Snow Crest. Double White.....	15
" " Double Red.....	10
Eulalia, Japonica	25
" Japonica Zebrina	25
" Gracillima Univitata	20
Funkia Grandiflora	25
" Cerulea	15
Gypsophila Paniculata	20
Heliopsis Pitcherianus	20
Helenium Autumnale Superbum	20
Grandicephalum Striatum	20
Heuchera Sanguinea	25
" Alba	15
Hermerocallis Flava. (The Lemon Lily.).....	20
" Fulva. (The Orange Lily.).....	15
" Fulva Flora Pleno	20
" Dumorteri	20
Hollyhocks. Double, assorted, of very fine quality ; 15c. each, \$1.40 per 10.	
Iris Germanica. The German Iris. Certainly the easiest of all Irises to grow, and wonderfully hardy. We have a splendid collection of 20 named sorts, each a beauty and quite distinct. The flowers are large and numerous, and embrace many most rare shades and unique markings, ranging in color from pure white to rich dark varieties. Price 15c. each ; \$1.00 per ten ; \$7.00 per 100.	
Iberis Sempervirens. (Evergreen Candytuft.)..	12
Lily of the Valley	5 for 20
Pinks. Hardy Scotch or May Pinks. These are dwarfer than the Carnation, growing about 2 feet in height. The plant will stand out of doors year after year, being entirely hardy. Assorted varie- ties, 15c. each.	
Phalaris Arundinacea Var. Ribbon grass, for edging. 10c. each, 60c. per dozen.	
Hardy Pyrethrums. Single.....	20
Phlox, Tall. A splendid collection of ten best kinds. Each, 20c. ; \$1.50 per dozen.	
Phlox Subulata	15

	EACH.
Phlox Alba	15
Double Pæonies. These noble plants are exceed- ingly effective, the diversity of color, variety of tint, profusion and duration of bloom, combined with handsome massive foliage, accommodating habit and easy culture, render them one of the most popular hardy plants grown. We have 50 varie- ties ; 30c. each.	
Primrose—English. The true variety.....	20
Primrose or Polyanthus. The variety of shades and colors in the flowers is endless ; 2 for 25c., 10 for \$1.00, assorted colors.	
Rudbeckia Golden Glow	20
Ranunculus, Acris, Fl. Pl. Bachelors' Buttons... 15	
Statice Ulmaria. Sea Pink or Thrift.....	10
Spirea, Ulmaria Alba Pl.	20
" Filipendula	15
Sedum Spectabile. (Live-for Ever.).....	15
Tritoma Uvaria Grandiflora. (Red Hot Poker.)	25
Veronica Spicata	15
" Spicata Alba. (Speedwell.).....	15
Violet. Double Russian or Double English.....	20
Yucca Filamentosa. (Adam's Needle.).....	25



New Clematis, Paniculata.

Clematis in Variety.

There are no hardy climbing plants attracting more attention and admiration at the present time than the Clematis. They are in continuous flower from June till November, and are all perfectly hardy ; excellent for covering walls, trellises, porches, verandas, old stumps, etc. They require good, rich soil. In very dry weather water occasionally.

Duchess of Edinburgh. Double, pure white, fragrant.

Henryi. Pure white, very large ; the best of the single white varieties.

Jackmanii. The best known of all Clematis, intense violet purple, a continuous bloomer.

Mrs. Hope. A pleasing lavender shade.

THE ABOVE IN STRONG TWO-YEAR-OLD PLANTS, 60 CENTS EACH, POSTPAID.

Paniculata. Creamy-white fragrant flowers, borne in greatest possible profusion ; a hardy and vigorous climber.
Strong two-year-old plants 30 cents each, postpaid.

HARDY ORNAMENTAL SHRUBS

We have a fine stock and heartily recommend these to every one. These plants are particularly desirable for planting in gardens, on lawns, and around houses and lanes, at rural or suburban dwellings. They present an infinite variety of flowers and foliage, and they constantly improve in size and beauty. Each year the trade is growing rapidly. If those not familiar with the different species will intrust the selection to us, we shall make the selection to suit their climate and requirements. Mention any variety you do not desire. Orders for shrubs and perennials must be sent in early as it is against reason to expect them to succeed if transplanted when in full leaf. Shrubs as a rule cannot go by mail, much better plants can be sent by express.

	Each
Calycanthus Floridus	35
Cornus Siberica Variegata	25
Corchorus Variegata	15
Cydonia Japonica or Japan Quince. Bright scarlet crimson flowers in great profusion in early spring. A grand hedge plant.....	15
Forsythia Fortunei	20
Suspensa	20
Viridissima	25
Honeysuckle Tartarica Rubro	20
Yellow	20
Rhus Cotinus or Smoke Tree	35
Deutzia Gracilis	25
Crenata	15
Pride of Rochester	25
Hydrangea Paniculata Grandiflora. Grows from eight to ten feet high, flowers white, in great pyra- midal panicles a foot long, and produced in August and September, when very few shrubs are in flower. If you decide to plant but one shrub let it be Hy- drangea Grandiflora, there is no more popular and satisfactory shrub grown. Very strong plants 30 cents; extra strong three year plants, 50 cents.	
Lilac, Alba Grandiflora	25
Josikea	30
Rubra de Marlay	30

	Each
Philadelphus Coronaria	15
Grandiflora	20
Aurea	25
Spiraea Billardi	15
Callosa Alba	25
Douglassi	25
Prunifolia Flore Pleno	20
Thunbergii	25
Van Houttei. The grandest of all the Spiraea. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of twenty to thirty flat white florets make up the race- mes, and these clusters are set close along the droop- ing stems. Perfectly hardy and an early bloomer.....	25
Symphoricarpus Variegata	20
Sambucus Folis Luteus	20
Viburnum Opulus Sterilis. (Snowball). We want to call particular attention to this fine shrub. It is a strong, hardy plant, covered, when in bloom with large balls of pure white flowers, really resembling balls of snow; flowers in early summer.....	20
Weigela Gustave Mallet	25
Rosea	20
Rosea Variegata	25

SMALL SHRUBS FOR MAILING

We have grown a very large stock of one-year-old shrubs, nice sized little plants that can be conveniently sent through the mails. These will of course need extra care for the season after planting, but are so convenient for shipping long distances that we are assured of an enormous demand from the North-West and other places where ornamental shrubs are but little known. These should be ordered not later than the first of May. We can supply any of the foregoing varieties excepting Calycanthus Floridus and Rhus Cotinus at two for 25c., \$1.20 per dozen. By mail post-paid if desired.

CHOICE BEDDING AND HOUSE PLANTS

	Each	Doz.
Asparagus, Sprengeri	15	\$1 20
Plumosus, Asparagus Fern	25	2 40
Abutilon, Flowering Maple in variety	10	1 00
Ageratum, blue	10	75
Araucaria, Norfolk Island Pine, plants from 5-inch pots	each	\$1 25
Basket Plants. We grow large quantities of these suitable for vases, urns, etc. Choice varieties, 4 for 25c, 60c per doz.		
Begonias, Foliage	each, 15c.,	\$1.50 per doz.
Flowering. A fine assortment of the best vari- eties suitable for house culture. ea. 15c., \$1.50 per doz.		
Carnations, Strong young plants of finest named varieties	each, 10.,	\$1.00 per doz.
Cannas. Our collection comprises all the finest French and American varieties. Those ordering please state colors wanted. All named, fine selection 15c each, \$1.20 per doz. Newest kinds are more expensive, prices on application.		
Coleus or Foliage Plant	each, 10c.,	80c per doz.
Cyclamen, vigorous young plants	20c.,	\$1.80
Chrysanthemums. A superb collection of the very best kinds, customers will please name colors desired and the purpose for which required, either for exhi- bition blooms, for pot culture or for blooming out- doors. All named.....	each, 10c.,	75c per doz.
Cordylone Indivisa, splendid for vases and hanging baskets, from 4-inch pots.....	each, 20c.,	\$2.25 per doz.
Cyperus Alternifolius, umbrella plant	each, 10c.,	80c per doz.

Fuchsias, double or single	each 10c.,	\$1.00 per doz.
Fern, Boston Sword	15c.,	\$1.20
Fern, Sword	15c.,	\$1.00
Ferns for Dishes, Jardiniers, etc. We can supply plants well established, 4 to 8 inches high, for filling fern dishes, etc. Varieties suitable for the purpose and well assorted. 4 for 30c., 85c per doz.		
Geraniums. Our stock is very fine and the varieties all the very best. Those ordering kindly say colors desired and whether for pots or bedding. Dou- ble or single flowering, named, strong young plants	8c each,	75c per doz.
Genista Racemosa	each, 20c.,	\$2.25 per doz.
Heliotrope, best varieties	10c.,	\$1.00
Jasmine Grandiflora	10c.,	\$1.00
Lantana, or Shrubby Verbena	each, 10c	\$1.00 per doz.
Lavender, True English	10c	\$1.00
Mimulus Harrisonii, Giant Musk	10c	\$1.00
Palm, Latania Borbonica. The well-known fan palm. Very easily grown, attaining a large size with age, and becomes very valuable. Fine plants.....		35
Kentia Forsteriana. The Kentias are certainly the most popular of all Palms at the present time. They are very hardy and of easy cultivation. Plants 20 inches high.....		60
Baltimoreana. This sometimes called the "Curly Palm" and is recognized as among the best Palms for all purposes, being capable of standing more ill- usage perhaps than any other. The leaves have a tendency to curl as the plants grow older. Fine plants, 18 inches high		60

BEDDING AND HOUSE PLANTS—Continued.

Phoenix Recliniata. A fine large growing species of very rapid growth; very hardy; stands any amount of hard use; fine vase palm, 5 inch pots, (Palms should be shipped by express only)..... 35
Verbena Mammoth.....each 10c., 75c. per doz.

Petunia, double fringed....each, 10c, \$1.00 per doz.
 " single..... " 8 60 "
Salvia, Flowering Sage..... " 10 1 00 "
Vinca, Major Var. For hanging baskets.....
each, 10c., \$1.00 per doz.

TEA AND EVERBLOOMING ROSES

This class is also called tender and bedding roses. As a rule they need some protection to carry them through winter successfully. A little care is well spent, however, as the plants become stronger each year and bloom constantly from June till hard frosts. There are no other roses to equal them as regards constant flowering. In Northern sections where there is a heavy protection of snow, they will often live through the winter without any protection. These roses are certainly worthy of a trial as bedding plants in every part of the country.

Bridesmaid. Deep, brilliant pink, unrivalled for house or garden culture.

Beaute Inconstant.—The rose of many colors. The open flower is variable between coppery yellow, bluish pink, apricot and light crimson.

Clothilde Soupert. Ivory white, shading to silvery rose in centre, blooms in large clusters, very free.

Etoile de Lyon. Rich, golden yellow, the best yellow for outside culture.

Hermosa. Light pink, large, full, double, very free, one of the very hardiest.

Henry M. Stanley. Clear, amber rose. The flowers are large and delightfully fragrant.

La Princess Vera. Rich, ivory white, beautifully shaded with coppery-yellow; delicately veined with pale bluish and carmine.

Maman Cochet. Flesh pink, inner side of petals silvery rose, a vigorous grower, very fragrant.

Mme. Schwallier. The color is a bright rosy flesh, paler at the base of the petals and deepening on the edge. In the garden this is generally the first rose to bloom.

Marechal Neil. Deep golden yellow, very fragrant, a climbing rose, well suited for the house or conservatory.

Pink Soupert. Identical with C. Soupert except in color, beautiful rose of medium size, wonderfully free flowering.

White Bougere. Pure satiny white in color, vigorous in constitution and wonderfully free flowering.
 1 yr. old plants from pots, 10c ea., \$1 per doz. 2 yr. old plants from pots (on own roots), 25c ea., \$2 75 per doz.

HARDY OR HYBRID PERPETUAL ROSES

These are the hardy Garden or June Roses so well known for their enormous flowers and powerful fragrance,

Augustine Guinoiseau. The white La France, flesh white, very free and fragrant.

Alfred Colomb. Cherry red, very double.

Anna de Diesbach. Beautiful color rose, long pointed buds.

Augustine Haleme. Color dark crimson. A beautiful free flowering rose, very fragrant.

Duchess of Albany. The flowers are a deep, even pink, very large and full, highly perfumed, and in all respects of first quality.

La France—Satin pink, wonderfully fragrant and free

Magna Charta—Clear pink, flushed with carmine, fragrant.

Mme Plantier—Literally covered with pure white, double fragrant flowers, a beautiful cemetery rose, quite hardy.

Marechal Valliant—Purplish crimson, full, well-formed flower.

Madame A. Veysset. Striped La France, plainly marked white on a satin pink ground, fragrant and free.

Rev. Alan Cheales—Color beautiful lake, reverse of petals silvery-white, a good flower and very effective.

Ulrich Brunner—Soft cereise red, petals large and of heavy texture, growth almost thornless.

One-year-old plants from pots, 15c. each, \$1.50 per doz.; 2-year-old pot grown plants (on own roots), 35c. each, \$3.50 per doz.

CLIMBING AND OTHER ROSES

Baltimore Belle. Pale Blush, faintly marked carmine rose, very double, and produced in immense clusters, a splendid climbing rose, 10c each; strong field grown plants, 25c each.

Prairie Queen. Bright rosy red, very hardy and very strong, climbing habit, 10c each; strong 2 year field grown plants, 25c each.

Crimson Rambler. A wonderful climbing rose, flowers are small and double, dark glowing crimson in color and borne in immense sprays, 300 open flowers have been counted on a single shoot, growth strong and healthy, very hardy, 15c each, \$1.30 per dozen; extra strong field grown plants, 35c each.

Henry Martin. A magnificent Moss Rose, extra large and perfectly double; color deep carmine, shaded bright crimson, very mossy and fragrant, one of the finest. Two year old plants on own roots, 35c.

Wichuriana—The Memorial Rose. Flowers single, pure white, with showy yellow stamens; the plant has a strong, creeping habit and is immensely popular for cemetery planting; foliage remains green almost all winter. 15c each; 2 year pot grown plants, 30c each.

Persian Yellow. The only deep yellow perfectly hardy rose. It is hardy almost everywhere, blooms in June only, very free flowering. Extra strong, field grown plants, 35c each.

English Sweet Briar. (True.) Leaves have a most refreshing fragrance, perfectly hardy, showy single flowers; no garden should be without it. Large, field grown plants, 25c each; \$2.50 per dozen.

Salet—Moss—Light rose, handsome buds. This variety blooms throughout the season; one of the largest and best moss roses for the garden. Two year old root plants, 35c.

HYBRID PERPETUAL ROSES LARGE, FIELD-GROWN PLANTS

The below are two year old plants of the hardy or garden roses. Where a good show of bloom is required the same year, this size should be planted. These are not on their own roots, but are BUDDED plants, and they should be set a little deeper when planting. They will then in time establish themselves on their own roots, and the stock upon which the rose was budded will eventually die, so that by the time the plants have attained good size and strength they will in most cases be upon their own roots.

Our stock is large, and consists of first-class and well tried varieties—General Jacqueminot, Magna Charta, John Hopper, Margaret Dickson, Jean Liabaud, Anna de Diesbach, Prince Camille de Rohan, etc.

We can supply about twenty finest varieties. Prices 30c each, \$3.00 per dozen. Can be sent by express only.

FERTILIZERS.

Alberts' Thomas-Phosphate Powder. More in use than any other fertilizer. Excellent for grain, clover, hay, root, vegetable and fruit crops. Not only is it beneficial the first year, but its after effects last for about four years. It is free from sulphuric acid. It contains 17 to 20% of phosphoric acid, equal to 37 to 40% phosphates, and is the cheapest and most profitable source of available phosphates. Use from 100 to 600 lbs. per acre. Pamphlets on application. \$1.50 per 100 lbs.; bag of 225 lbs., \$3.00; per ton, \$24.00.

Buffalo Pure Ground Bones for fertilizing purposes. Our ground bones are a very superior and carefully prepared fertilizer. A machine that will sow plaster will also answer the above. In Turnip culture they are particularly recommended. Apply at the rate of ten bushels (600 pounds) per acre, and drill in with the seed. Highly recommended for lawns, etc. \$2.75 per 100 lbs.; \$5.00 per bag of 200 lbs.; \$40 per ton.

Peruvian Guano. From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for plants and growing crops. Before using it should be made fine, and may be mixed with loam, charcoal, dust or plaster. It should not be mixed with lime or ashes; muck and clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, which is more efficient than repeated waterings with weaker solutions. Per lb., 10c.; 25 lbs., \$1.75; 100 lbs., \$5.00.

Nitrate of Soda. A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per lb. 10c.; 20 lbs. \$1.00; 100 lbs., \$3.50.

Gypsum, or Pure Land Plaster, is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially when used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. It is used largely on all crops and is of great benefit to lawns, as well as to every sort of fruit trees, vegetables or flowers. Sow early in the spring and autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 150 pounds, 60 cents per bag; \$6.50 per ton.

Hammond's Sward Food. A first-class top dressing, especially prepared for lawns, meadows and all grass lands, to assure a thick, matted growth of rootlets. It is bad for the grubs and brings no weeds. Approximate quantity to be used: For say 2,000 square feet, 25 pounds; per acre, 600 to 1,000 pounds. No unpleasant odors and quick results. For flowers, stir it in the soil and it will help to make a poor flower bed profuse, bountiful and beautiful. Morning Glories fairly revel from its effects, and so do all running vines, and cabbage and spinach. In 5 pound packages, 30c.; 10 pound packages, 50c.; 100 pound kegs, \$4.00.

Pulverized Sheep Manure. A natural manure, most nutritious for plants; effect immediate and lasting. Excellent for mixing with soil for greenhouse plants (one part manure and six parts soil). Strewn over and dug into the garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes safe and quick liquid manure; one pound to five gallons of water can be used daily, if necessary, with safety. 1 lb. 10c.; 10 lbs. 50c.; bag of 70 lbs. \$2.00.

Special Manures for House and Garden Plants.

Peruvian Guano. A valuable plant food. In packages at 10c., postpaid 30c.; and 25c., postpaid 70c.

Aimes' Chemical Manure. Per package 10c., postpaid 30c.; and 25c., postpaid 70c.

Preparations for the Destruction of Insects.

Church's Potato Bug Finish. One of the best destroyers of potato bugs on the market; has given splendid satisfaction. It is also recommended to destroy all insect life which feeds on the leaves of plants, shrubs, bushes, etc. Use 25 pounds to the acre, and dust it on with a fine sieve. Apply after a rain or after a dew in the morning, so that it will adhere to the vines. In 1 lb. cannisters, 10c. each; 10 lb. lots, 25c.; 25 lb. lots, 40c.; 100 lots, \$1.50; barrel of 300 lbs., \$4.00.

Concentrated Chemical Tobacco Soap. It is certain destruction to all insect life and for preventing and removing insects on plants, animals and wearing apparel it is unequalled. For plants dissolve 6 oz. in 6 gallons of water; for animals, dissolve 1 oz. in $\frac{1}{2}$ gallon water. In $\frac{1}{2}$ lb. bars, 25c., postpaid 35c.; 1 lb. bars 45c., postpaid 60c.

Grape Dust. (Hammond's.) An excellent article for killing as well as preventing mildew, mould or rust mites, on roses, grape vines and other plants and trees affected by the same. More effectual and cheaper than sulphur. Requires to be applied reasonably frequent. In 5 lb. packages, 50c.; in 100 lb. kegs, \$6.00.

Hughes' Fir Tree Oil. This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bugs, scale, ants, thrip, onion fly, caterpillar, slug, blight, etc. It is also used much as a dog wash. Fir Tree Oil is put up and sold in bottles with directions for its use. Small bottle, 25c.; good size bottle, 50c.; large bottle, 75c.

Hammond's Thrip Juice kills lice and scale. A concentrated liquid insecticide for destroying the lice, scale, caterpillars, mealy bugs, etc. Non-poisonous diluted with two hundred times its bulk. Arseniated, for orchard use, diluted with four hundred times its bulk of water. Pint cans, 40c.; quart cans, 75c.

Nikoteen. A liquid insecticide for use of florists and gardeners. It is composed of that element in tobacco which gives it its value and nothing else. This is without doubt the best remedy for most of the insects that attack plants and flowers. Circulars giving full description and mode of treatment on application. Price, \$2.00 per pint bottle.

Nikoteen Aphis Punk. A special preparation of nicotine for burning in greenhouses to destroy green and black fly, thrip, etc. Box of 1 dozen rolls, 90c.

Slug Shot. (Hammond's.) It is in the form of an impalpable powder, and is fatal to insect life in every form in which they are injurious to vegetation. It not only acts as an insect destroyer but it will be found to be an excellent fertilizer as plants upon which it is used will be found to grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. Canisters with perforated top, filled with Slug Shot, 20c. each, postpaid 35c. In 5 lb. packages, 35c.; 10 lb. packages, 65c.; in barrels of about 225 lbs., 44c. lb.

Preparations for the Destruction of Insects—Continued.

Thomson's Styptic—A preparation for preventing the bleeding of vines: used largely by the leading horticulturists in Great Britain. Per bottle, 75c.

Whale Oil Soap—A splendid article for preserving flowers, shrubs, vines and particularly rose bushes, from the destructive effects of slugs, grubs, worms, etc. $\frac{1}{2}$ lb. bars, 15c; 1 lb. bars, 25c; in bulk, 15c per lb; postpaid 20c per lb extra.

**Kills the Bugs.
Feeds the Plant.**



Pat. in Canada Nov. 2, 1897, Jan. 25, 1900.
NON-POISONOUS. PREVENTS BLIGHT.

BUG DEATH

This Insecticide and Plant Food Combined has been on the market for five years, and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is **non-poisonous**, which makes it perfectly safe to use on all plants or vines. **Very beneficial results** are obtained by using Bordeaux mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose. **Bug Death prevents blight.**

Price—Put up in packages as follows, with trade mark on each package: 1 lb. package, 15c; 3 lb. package, 35c; 5 lb. package, 50c; 12 $\frac{1}{2}$ lb. package, \$1.00; 100 lb. package, \$7.00. Perfection Shaker for applying Bug Death, 65c.

Bug Death may be applied dry with the Perfection Shaker, or with a small bag made from burlap or gunny cloth having the right mesh; also mixed with water and sprayed as above stated.

THERMOMETERS

Our stock of these is very large, and from the best manufacturers. We have too many different styles to enumerate, but we give a few prices, as follows: Common, 25c to 50c each; in nickel cases, \$1.00; minimum registering, 75c each; maximum and minimum registering, \$2.00 each; for hot beds, \$1.50 each, postpaid.

SILKALINE

For florists, for stringing Smilax and other trailing plants. It is very strong, and a fast color; color green, and does not fade; made in three sizes, fine, medium and coarse. 2 oz. spools, 25c each; per lb. \$1.75; postpaid, \$2.00 per lb.

WILSON'S GRINDING MILLS

No. 1 Hand Bone Mill. Especially adapted for grinding dry bones, shells or grain for poultry. Will crack about a peck of corn in 20 minutes. Weight, 36 lbs. Price, without legs, \$5.00; with legs, \$7.00.

No. 0 Family Grist Mill. Specially made for grinding or cracking grain. It is a valuable machine to have in the kitchen, as you can have fresh Graham flour or corn meal when wanted. The grinding surfaces are of hard material, especially made for this purpose. Weight 30 lbs. Price, without legs, \$5.00; with legs, \$7.00.

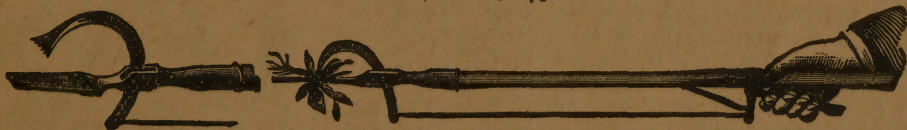


PATENT SIEVES

They are easily managed and not liable to get out of repair; can be adjusted to a large number of different sized meshes. They are worth ten times their cost to every farmer.

No. 1 Sieve will separate Plantain, Daisy, Buckhorn, Wild Carrot, etc., from Clover Seed; Red Top and Plantain from Timothy, and Timothy from Clover Seed. Price, each, here\$1.75

No. 2 will separate Rye, Cheat and Cockle from Wheat. Price, each, here \$1.75.



CLEVELAND LAWN WEEDER

No More Broken Backs.—This device gets at the root of the evil and removes it bodily. The curved edge of blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge same without disturbing the surrounding sod. **Price, 75c each.**

EUREKA WEED KILLER

This preparation is truly a gardener's friend if applied as directed when the ground is moist so that it can get to the roots. It will destroy all weeds, moss, etc. on gravel paths, drives, stable yards, etc., and keep them under the whole season. In tins, contents of which, mixed with water is sufficient for 10⁰ square yards of path. Directions on tins. Price, \$1.00 per tin.

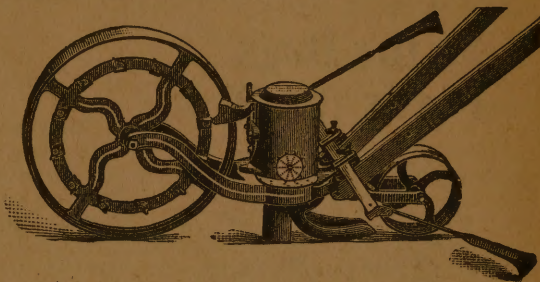
LABOR SAVING IMPLEMENTS

Matthews' New Universal Model Garden Drill.

With New Seed Cut-off and Improved Markers.

Is everywhere acknowledged to be the standard Drill of America. It has been many years in use, and its largely increasing sale is the best evidence of its merit.

It is designed for use in field or garden. When in operation it opens the furrows, drops the seed accurately at the desired depth, covers it, and lightly rolls the earth down over it, and at the same time marks the new row. It will sow *Beet, Carrot, Onion, Turnip, Sage, Spinach, Sorghum, Peas, Beans, Fodder, Corn, Broom Corn, Etc.*, with a certainty, regularity and rapidity impossible for the most skilful hand to do. **Price, boxed, \$8.00.**



Matthews' New Universal Model Gem Garden Drill.

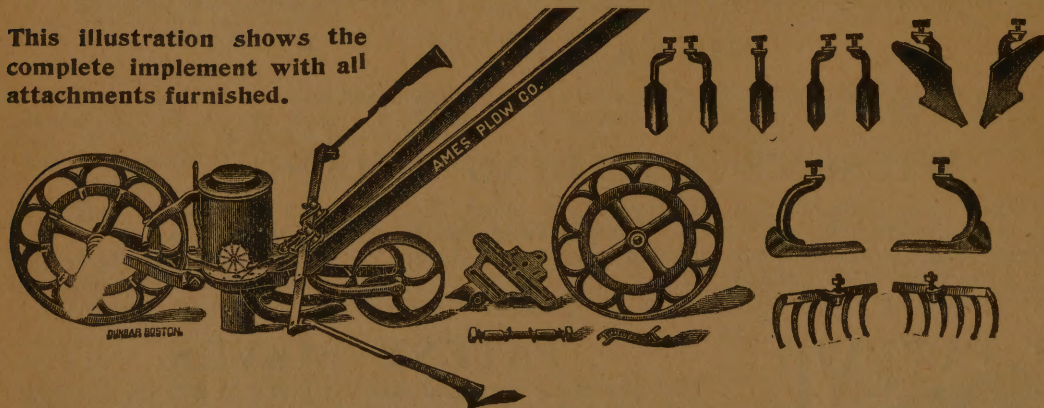
This has been perfected to meet the demand for a low priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying Seed Dial and Indicator from exactly same patterns as those used on the larger and more expensive drills. We do not recommend it for use instead of larger drills, but we are sure that all in want of such a drill, as we represent this to be will find it to their advantage to buy the Matthews' Garden Gem. **Price, boxed, \$6.25.**

Matthews' New Universal Model Hill and Drill Seeder.

Same in style and working qualities as the above, just described, but so arranged as to drop the seed continuously in drills or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart. The adjustment of this Hill Dropper saves the seed, and no more than desired is dropped at a time. The change to the ordinary drill is made by one Thumb-Screw in detaching the "CUT-OFF" from the Agitator and fastening it back on the Frame. **Price, boxed, \$9.00.**

Matthews' New Universal Constellation—Seeder, Hoe, Cultivator, Plow, Rake and Marker.

This illustration shows the complete implement with all attachments furnished.

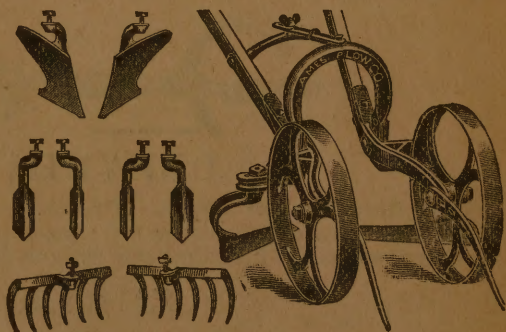


In this constellation is presented a brilliant assemblage of the new Universal Drill and the Double Wheel Hoe, Cultivator Rake and Plow for use either as a single or double wheel implement. Six implements in one. Each implement is entirely separate from the other and the only parts used in each, the

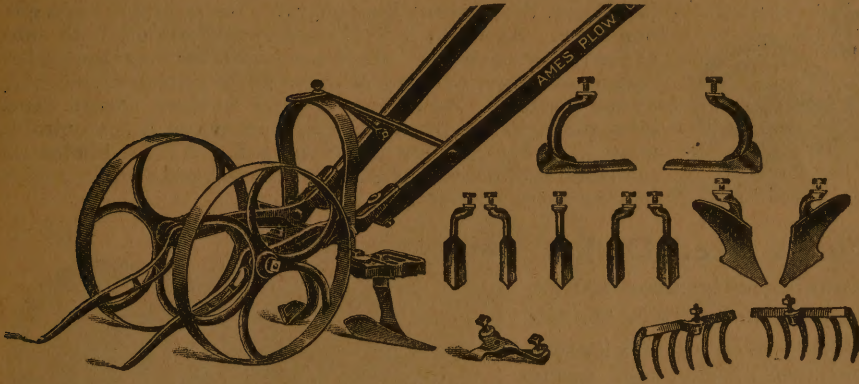
wheels and handles are changed from one frame to the other by only 2 bolts. The cultivating attachments are shown detached. They are; 1 Cultivator Frame, 1 Centre Cultivator Tooth and 1 pair each Hoes, Plows, Rakes, Markers, Narrow Cultivator Teeth and Wide Cultivator Teeth. **Price, boxed, \$10.50.**

Matthews' New Universal Double Wheel Hoe, Cultivator, Plow and Rake.

Specially designed for working both sides of the row at one passing. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device enables the teeth to be pitched at any angle desired. It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop. It can be used either astride or between rows. To work both sides of the row at one passing, the attachment can be set to suit width of crop to be cultivated, keeping road midway between the wheels; no need to watch the teeth. The hoe blades can be set to turn in or out as desired by the operator. Four cultivator teeth are furnished with each; two can be used at desired width to mark out rows. For furrowing, the plows can be set close together and turn outward; for covering, set to width desired and turn inward. The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch, also by pitching the Arch by means of the Arch brace and the thumb bolt, where it connects to the lower handle brace. The leaf guards are to prevent wheels from injuring large spreading foliage. **Price, boxed, \$6.50. With one pair Hoe Blades only, \$4.25.**



New Universal Expansion Wheel Hoe, Cultivator, Rake and Plow, High Arch—A Double or Single Wheel Implement at Will.



The wheels are 12 inches in diameter, and the arch high enough to cultivate over plants 20 inches or more in height. Our Double Wheel Hoe meets all requirements, but we here present if possible a more complete implement of larger size. The Adjustable Arch affords means for regulating depth, and for setting pitch of teeth, a very valuable feature in using the Hoe Blades. It also admits of use of implement by either man or boy. Expansion Pads, or Tooth Holders, are provided, so any width of cultivation may be

attained from the narrowest up to 20 inches wide. One wheel is preferred by many when in use as a "between row" cultivator, and for this purpose we provide the *Centre Attachment*, consisting of Wheel Scraper and Tooth Holder. The attachments are: 1 pair each long bladed Hoes, short bladed Hoes, narrow Cultivators, wide Cultivators, Plows, Rakes and Vine Guards, and a Centre Cultivator and Centre Tooth Holder.

Price, Boxed, \$9.50. With one pair Hoe Blades only, \$6.00.

Matthews' New Universal Expansion Double Wheel Hoe, Cultivator, Rake and Plow.

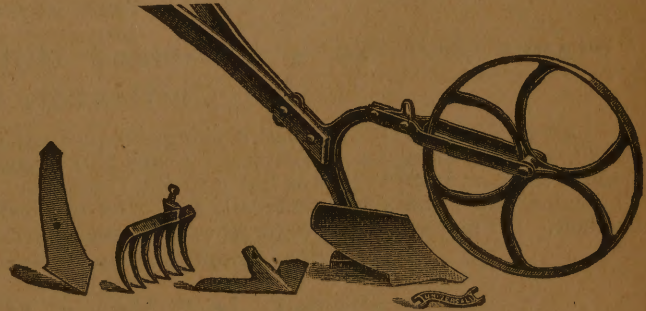
Expansion pads, spring steel arch, and arch brace of same style as the High Arch Hoe just described, are used in the construction of this implement also, thus affording at a low figure every essential of our new Wheel Hoe, except that the arch is not so high and the Wheels used are 10½ inches diameter. The attachments are: 1 pair each Hoes, Plows, Rakes, Vine Guards, Narrow Cultivator Teeth and Wide Cultivator Teeth.

Price, Boxed, \$7.50. With one pair Hoe Blades only, \$5.25.

Matthews' New Universal Steel Frame Garden Plough with Attachments.

This implement, we believe, will prove a very acceptable addition to our line. The Wheel is adjustable and is 15½ inches in diameter. The handles are also adjustable. The finish is in the same style as our other implements of this well-known line. The attachments are: 1 Landslide Plow, 1 Sweeper Scuttle, 1 Rake, and 1 Double Tongued Cultivator.

Price, Boxed, \$4.00.

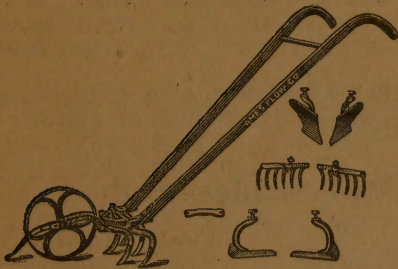


Matthews' New Universal Single Wheel Hoe, Cultivator, Plow and Rake.

As with the *Double Wheel Hoe* just described, it can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of *young* plants under centre of frame. Later cultivation must be done between rows. The adjustment for graduating the depth of cultivation is unique and readily accomplished. There are five adjustments of depth. The attachments are: 1 pair Hoes, 5 Cultivator Teeth, 1 pair Plows, 1 pair Rakes, and 1 Vine or Leaf Guard.

Price, Boxed, \$5.75. With one pair Hoe Blades only, \$3.25.

No. 2.—Same as above, excepting the attachments, which are: 1 pair Hoes, 3 Cultivator Teeth and 1 large Plow. Price, Boxed, \$5.00.



Matthews' New Universal Hand Wheel Plow.

This little labor saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover, and to cultivate. The mould board is of steel, polished and tempered.

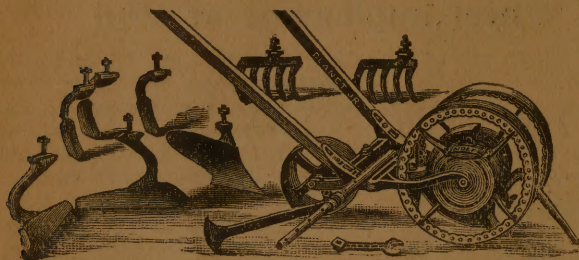
Price, \$2 50.



Matthews' New Universal Hand Draw Plow.

This is the same Plow and Standard as used in the new Universal Hand Wheel Plow, only fitted with a long handle, to be drawn instead of pushed. Price, \$2.00.

"Planet Jr." Combined Drill, Wheel Hoe, Cultivator, Rake and Plow.

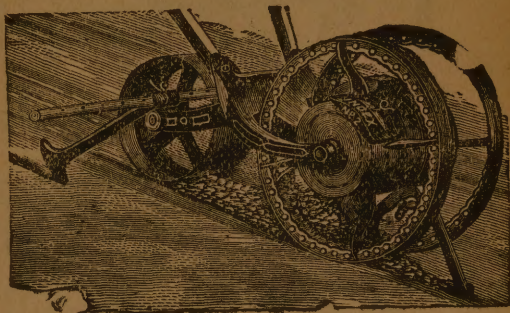


As a Seed Drill, it is the same as the No. 2, except in size. It holds one quart. Each tool is supplied with one pair of long hoes, three reversible cultivator teeth, and a large garden plow. As a Hoe it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to sixteen inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a drill to its other uses. **Price, boxed, \$12.25.**

The "Planet Jr." No. 2 Seed Drill

Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds three quarts. It has no cams, cover brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. It can be set to run deep or shallow, and the seeds are deposited in a narrow line.

Price, boxed, \$8.75.



"Planet Jr." No. 3 Hill and Drill Seeder.

This is the same tool as the No. 5 Seeder and just as good, except that it is smaller in size. The hopper holds three quarts; 15 inch patent steel driving wheel, with broad face which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow-faced, leaving a wide, smooth track for the wheel hoe. It is extremely simple, and will not injure the most delicate seed.

Price, boxed, \$12.25.

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator, Rake and Plow.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, a rake and a plow. It holds two quarts, and as a seeder sows in continuous rows, or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow, cultivator or rake.

Price, complete, boxed, \$13.50; as Drill only, \$10.00.

"Planet Jr." No. 5 Hill and Drill Seeder.

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills, and also drops in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by removing a convenient lever; or, the flow of seed is stopped by pushing down the seed rod. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seed in the exact thickness desired. It covers and rolls down light or heavy, and marks the next row clearly. 16½-inch patent steel drive wheel; hopper holds five quarts; it runs light, and sows equally well with a full hopper or a tablespoonful of seed.

The accurate hill-dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over in seed alone. We guarantee this drill to be more accurate than any other made, and to give satisfaction in every respect.

Price, boxed, \$15.00.

"Planet Jr." No. 25 Combined Hill and Drill Seeder and Double Wheel Hoe.

This new combined machine is intended for a class of gardeners who have large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate Wheel Hoe. It is large enough for field use, for it holds 2½ quarts, and has 11½-inch wheels, which are just the right size. As a drill it is almost identical with the "Planet Jr." No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb-screw adjustment. It is thoroughly substantial and accurate in sowing all kinds of garden seeds in either hills or drills. As a Wheel Hoe, it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory, **Price, boxed, \$15.75.**

We have Special Catalogues giving full descriptions and directions in regard to Lawn Mowers, Spray Pumps, including Spraying Calendar and Mixtures, Drills, Hoes, Cultivators, Etc. Will mail these on application.



"PLANET JR." No. 12

Double Wheel Hoe,
Cultivator
and Plow.

This tool has 11-inch wheels which can be set at **four different distances** apart; the frame is malleable, with ample room for tool adjustment, and can be set at **three different heights**. The handles are adjustable, and being attached to the arch, are **entirely undisturbed** in making changes of the height of frame, width of wheels, or in the adjustment of the tools themselves. The arch is of **stiff steel, unusually high**. The design of the frame is novel, allowing all changes of tools to be made **without removal of the nuts** from the standards. All the blades are tempered and polished steel.

Price, boxed, - - - - \$8.25.

No. 13—This tool is the No. 12, with 6-inch Hoes only.

Price, boxed, - - - - \$5.50.

"Planet Jr." No. 16 Single Wheel Hoe, Cultivator, Rake and Plow

This is a perfect Wheel Hoe for gardens or private places. It is very light, strong and easy running; has adjustable handles and frames especially adapted for quick changing of teeth. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height, and the wheel to the **other side of the frame**, to hoe both sides of the row at once. **Price, boxed, \$6.75.**

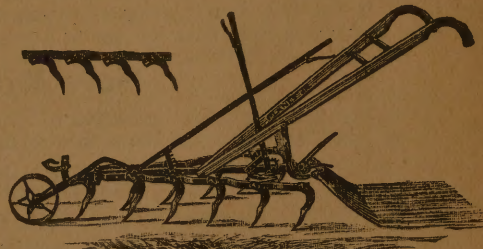
No. 17—This tool is the No. 16, without the leaf guards and rakes. **Price, boxed, \$5.75.**

No. 18—This tool is the No. 16, with one pair 6-inch hoes only. **Price, boxed, \$4.00.**

The "Planet Jr." Twelve Tooth Harrow, Cultivator and Pulverizer

This tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface. The recurved throat of the tooth and the high frame prevent clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion, at medium width, and are interchangeable. They may be worn off three inches before requiring renewal and yet retain their original cutting width, and are cheaply replaced when worn. This tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated instantly by the foot while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep, without throwing earth upon the plants, and the teeth turn strawberry runners without injuring them.

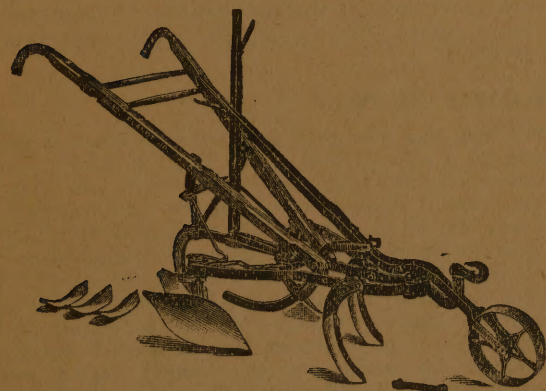
Price, plain, \$8.00. With Wheel, \$9.00. Complete, with Pulverizer, etc., \$11.00.



The "Planet Jr." No. 8 Horse Hoe and Cultivator.

This is an improvement on the No. 6 Horse Hoe, and differs from it as follows:

The Frame is longer than usual and about one and a half inches higher, making a tool that will not clog easily. *The Standards* are framed up hollow, with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it. *The Depth* is under perfect control by means of a new lever wheel, and the new patented depth regulator; these are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. *The Expander*. This is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions. *Handles and Braces*. These are also absolutely new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise. *The Reversible Side Hoes*, patented, are

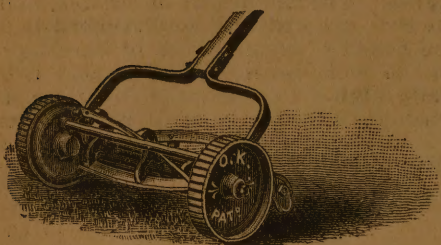


an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots that an immense amount of hand labor is saved. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. **Price, \$10.00; without Wheel, \$9.00.**

The "Planet Jr." No. 6 Horse Hoe and Cultivator.

Chief among its advantages is the *Lever Wheel*, a necessity for particular work; the patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in pole beans, grapes, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame, interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe*, with side teeth reversed, it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator*, the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. **Price \$9.00; without Wheel, \$8.00.**

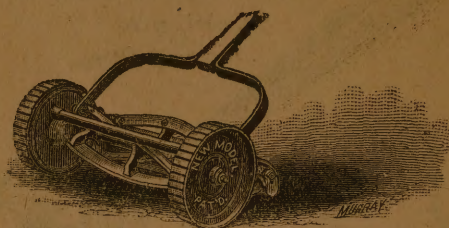
LAWN MOWERS



The "O. K."

14-inch cut\$4 25 | 16-inch cut\$4 50

This Mower has been thoroughly tested, and we have no hesitation in recommending it in every respect as a first-class low price machine. For lightness of draught, simplicity of construction and adjustment, this Mower is a great success; its quality is unquestioned, and it is fully guaranteed.



New Model Mower

For simplicity, durability and quality of work, this Mower is superior to any in the market. All that mechanical skill can devise, or the experience of a score of years in the manufacture of lawn mowers could suggest are embraced in the construction of the New Model Mower. Constructed of the best material only and at in every respect.

16-inch cut, \$8.00.

Rival High Wheel Lawn Mower

The driving wheels are 9 inches in diameter and the revolving cutter has three blades of the best quality of steel. It is the only practical self-sharpening mower, the adjustments are simple, the material and workmanship the best and it is a first-class mower at a reasonable price. 16-inch cut, \$6.00.

New Model High Wheel Mower

This has all the good qualities of the famous "New Model," and in addition, besides other improvements, will cut higher grass than the ordinary Mower. 16-inch cut \$9.50.

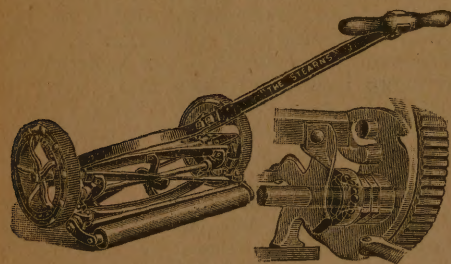
Royal Blue Ball Bearing Mower

In this Mower we offer to the public the simplest, lightest running and most perfect Mower of its kind produced. One screw adjusts both bearings and effectually takes up all lost motion, keeping the bearings properly adjusted more permanently than any device heretofore used on a Mower. It has our improved ratchet, adjustable handle device for terrace cutting, and will do more kinds of work than any other Mower on the market. It is made of the best material, handsomely finished and we guarantee it to give perfect satisfaction. 16-inch cut, \$11.50.

The Universal High Wheel Mower

This Mower, for cutting either tall or short grass, is intended to meet the requirements for a cheap, strong, substantial and light running machine. The driving wheels are 9 inches in diameter. The revolving cutter consists of a steel shaft, malleable iron flanges, and the knives are of extra heavy steel of the best quality. The adjustments and ratchets, while simple are also positive, and cannot get out of order. We use on this Mower our double-edged bottom knife and noiseless wood roller. 16-inch cut, \$4.50 each.

Stearns Ball Bearing Lawn Mower



The advantages of ball bearings are well understood. There is the same reason for their use on a mower that there is on a bicycle—to make it run easy. While it runs so much easier and with less noise than other mowers, it cuts faster, cleaner, more evenly, does not push the grass before it, but cuts every spear, leaving the surface of the lawn perfectly smooth. It costs no more than the average "high-class" mower, yet it lasts much longer, is therefore in the end cheaper, and does better work in shorter time with less fatigue to the operator. The stationary knife is of selected quality crucible steel, oil hardened and ground to a fine cutting edge. The cylinder knives are of special analysis open hearth steel, oil hardened, and the temper drawn just enough to permit of their being sharpened with a file, yet so hard that they will not become nicked. All oil holes and adjusting screws are easily reached from the upper side; there is no necessity for turning the mower over for oiling and adjusting. The notched roller arms which lock into corresponding notches in the side plate allow parallel adjustment of the roller. The wheels are 9½ inches in diameter, which is higher than any except the regular "high-grass" machines for which an extra price is asked. Price, 16-inch cut, \$9.00.

New Excelsior Horse Lawn Mower

This is the best horse lawn mower made, and we have excellent testimonials from those to whom we have sold in Canada. It is furnished with a side draught attachment that permits the horse to walk only on the cut grass. We use the sectional castor wheels which do not roll down the standing grass nor leave unsightly marks on the lawn. We can also furnish, when desired, a grass box attachment for collecting the cut grass, which is extra. It is made of the very best material throughout, and the greatest care is exercised in its construction. 30-inch cut, with seat, shafts and side draught attachment, \$80.00. Also made with 35-in. and 40-in. cut.

Planet Jr. Grass Edger.

Extreme Neatness is the great secret of attractiveness in grounds surrounding a house. The Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, *paths, drives, open borders or flower beds*, at a speed of *a mile an hour*. It should be the constant companion of the lawn mower.

Strawberry Growers find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. Packed, weight 26 lbs. Price \$7.00.



PRICES

- No. 0, for 60 Eggs, \$15.00
No. 1, for 120 Eggs, \$20.00
No. 2, for 220 Eggs, \$26.00
No. 3, for 360 Eggs, \$35.00

Galvanized Iron Drinking Fountain.

The best up-to-date drinking fountain; easily fitted, easily cleaned, and will not burst if water freezes in them. 2 qt. 35c., 4 qt. 50c., 8 qt. 75c. each.

Eclipse Leg Band.

Made of aluminum, light and neat and will stay on. Made in all sizes (state breed when ordering), numbered from 1 to 100. 1 doz. 30c., 2 doz. 50c., 4 doz. 90c., 100 for \$1.60 post paid.

Improved Champion Leg Band

This is made in one piece, in two sizes, adjustable to fit any fowl. Held by double lock, it is impossible for them to fall off. Made of copper. 1 doz. 25c., 2 doz. 40c., 4 doz. 70c., 100 for \$1.30 postpaid.

PRICE LIST OF VALUABLE BOOKS.

Agriculture, A B C of. Weld.....	50
Alfalfa. Coburn, F.D.....	50
Asparagus. Hexamer, F.M.....	50
Cabbage, Cauliflower and Allied Vegetables. Allen.....	50
Carrots, Mangold-Wurtzels, etc., On. Gregory.....	30
Celery for Profit. Greiner, T.....	20
Crops, Spraying. Weed, Clarence M.....	25
Drainage, Farm. French.....	1 00
Farm Appliances.....	50
Fertilizers, On. Gregory.....	40
Forage Crops. Shaw, Thomas.....	1 00
Fungi and Fungicides. Weed, Clarence M, paper.....	50
Gardening for Pleasure. Henderson, Peter.....	1 50
Gardening for Profit. Henderson, Peter.....	1 50
Hedges, Windbreaks, etc. Powell, E.P.....	50
Insects and Insecticides. Weed, C.M.....	1 50
Manure, Farming with Green. Harlan.....	1 00
Market Gardening and Farm Notes. Landreth.....	1 00
Onion Culture, The New. Greiner.....	50
Plant Life on the Farm. Masters.....	1 00
Soiling Crops and Silo. Shaw, Thomas.....	1 50
Soil of the Farm, The.....	1 00
Tomato Culture.....	35
Bulbs and Tuberous Rooted Plants. Allen, C.L.....	1 50
Floriculture, Practical. Henderson, Peter.....	50
Fruit Grower, Practical. Maynard.....	50
Fumigation Methods. Johnson, W.G.....	1 00

The Stearn's Reversible Lawn Sprinkler

Throws either a high or low spray over an *unusually wide area* by simply reversing the cap.

Only two pieces and brass spring in its construction.

May be instantly adjusted for any pressure of water.

Japanned finish, with nickel plated, non-rusting cap.

It is threaded to fit a standard $\frac{3}{4}$ inch hose coupling, and is provided with an internal rubber packing.

Price 75c. each.

Lawn Mower Sharpeners.

A useful article for those who are a distance from towns and cities where there are the best facilities for this purpose. Much needed for the cheap machines generally sold, which require a lot of sharpening. \$1.00 each postpaid.

The Daniels Incubator.

We believe this is the best machine on the market; made out of the best material and at a reasonable price. It does not get out of order, will not clog up or rust out, is safe, accurate and reliable. Cut illustrates No. 1 machine. We do not try to compete with the cheap machines which are offered and which are utterly useless, but our aim is to produce the best at as low a price as possible.

Three Apartment Outdoor Brooder

This has the double apartment arrangement, consisting of the hover, the well lighted apartment surrounding same, and a separate cooler apartment for daytime use, or practically two brooders in one. Everyone going into the poultry business to make a success of it must have these brooders, which are the best on the market. Price \$12.00 each.

Acme Spring Lever Poultry Punch

The best and easiest operated machine for marking chicks, etc., so as to keep record of them. 40c each postpaid.

Poultry Cramming Machine

Our Cramming Machines are on an entirely new and improved principle, for the force-feeding of turkeys, fowls, etc. Quality of food can be regulated to a minimum. Is more simple in construction, having less working parts. The plunger is self-feeding. Entire absence of air in the plunger. Everlasting wear. Is easier worked. Under the complete control of the operator. Price \$12.00 each.

Grape Growers' Guide. Chorlton.....	75
Grape Growing and Wine Making. Husmann, Prof Geo.....	1 50
Greenhouse Construction. Taft, Prof L.R.....	1 50
Greenhouse Management. Taft, Prof L.R.....	1 50
Plants, Propagation of. Fuller, A.S.....	1 50
Plants, Your. Sheehan, James.....	40
Rose, On the. Parsons.....	1 00
Small Fruit Culturist. Fuller, A.S.....	1 00
Strawberry Culturist. Fuller, A.S.....	25
Window Flower Garden. Heinrich.....	50
Landscape Gardening. Waugh, F.A.....	50
Ornamental Gardening for Americans. Long.....	1 50
Animal Breeding. Shaw, Thomas.....	1 50
Cattle Doctor, American. Dadd, Prof George H.....	1 00
Feeds and Feeding. Henry, W.A.....	2 00
Key to Profitable Stock Raising. Myrick, Herbert.....	25
Pig, Harris on the. Harris, Joseph.....	1 00
Dog Breaking, Hiats on. Floyd, William.....	50
Horse Doctor, Modern. Dadd, G.H.....	1 00
Be keeping Explained, Mysteries of. Quimby.....	1 00
Egg Farm, New Revised. Stoddard, H.H.....	1 00
Profits in Poultry and Their Profitable Management.....	1 00
Canary Birds, New and Revised Edition.....	
Hunter and Trapper. Thrasher, H.....	50
Taxidermy, Practical. Batty, J.H.....	1 00
Barn Plans and Outbuildings.....	1 00
House Plans for Everybody. Reed.....	1 00

We can furnish any of the books named above by mail, postpaid, at the price quoted

Myers' Bucket Spray Pump.

This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; the effect of this operation while pumping is to hold the pump down, the foot-rest steadies the pump, holding it in proper position. It is provided with a large air chamber and has ball valve. The pressure is held uniformly in the air chamber and on the hose so that the nozzle throws a continuous spray, and is not affected by the movement of the plunger. It will throw a solid stream fifty feet and is of unusual value for washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump.

No. 325—Brass Pump with Agitator, complete with hose, graduating Vermorel, fine coarse spray and solid stream nozzle, and malleable foot-rest, \$3.50.

Eight foot extension pipe for same, 50c.

Myers' Lever Bucket Spray Pump.

This is an improvement on the above Pump, being constructed on the same principles but differing by having an extra large air chamber and a lever handle which add greatly to the ease in pumping; it has also a top casting to attach to a barrel if preferred. Price, complete with agitator, hose and graduating Vermorel nozzle, \$4.00.

Myers' Imperial Barrel Spray Pump.

This Pump is made of brass, and is powerful and easy to operate. It is made on same principle as the Bucket Pump, but larger—has lever handle, 2-inch cylinder and air chamber, patent agitator, ample capacity for two streams, and is fitted with a top casting to bolt to chime of barrel. Complete, with 5 feet of $\frac{1}{4}$ -inch 3-ply hose and graduating Vermorel nozzle, \$7.00.

Myers' Fountain Knapsack Pump.

Holds 5 gallons. Weight, 52 lbs., when full. All working parts are brass.

It is constructed of first quality of galvanized iron, with round corners, built precisely the same as our regular Myers' Knapsack, with removable strainer and tight lid, which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or can be carried by bail. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used, the other opening is closed with a metal plug furnished for that purpose. The hose and bulb are made of the best white rubber, and protected at each end by coiled wire to prevent breaking. The valves are made of brass and will not corrode, have large openings which permit the free flow of water, and shut off instantly when under pressure. The nozzle is made of brass, nickel plated, has 50 small openings, and throws a spray 6 feet wide at a distance of 12 feet. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown at any distance from 3 to 15 feet as desired; on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose. The operator can cover one or two rows of plants or vines as desired, and do the work at a rapid walk, thus covering a large amount of territory in a very short time.

Pump with one tube, rubber bulb and rose, \$3.50. Pump with two tubes, rubber bulbs and roses, worked by both hands, \$4.50.

Myers' Knapsack Spray Pump.

The tank holds five gallons, fitted with lid and strainer which can be removed. The pump is our regular Brass Bucket Spray Pump (described above), with large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with a handle so that the operator can set the knapsack on the ground and work pump with handle. Can be carried by hooking snap in staple on the opposite side provided for that purpose, making a neat handle, as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will. Has brass stop-cock at end of hose (not shown in cut).

No. 547—Pump fitted with 5 feet $\frac{1}{4}$ inch hose, pipe extension and Bordeaux or graduated Vermorel Spray Nozzle which can be graduated from a fine mist spray to a solid stream, or shut off entirely. Galvanized Tank, \$6.50.

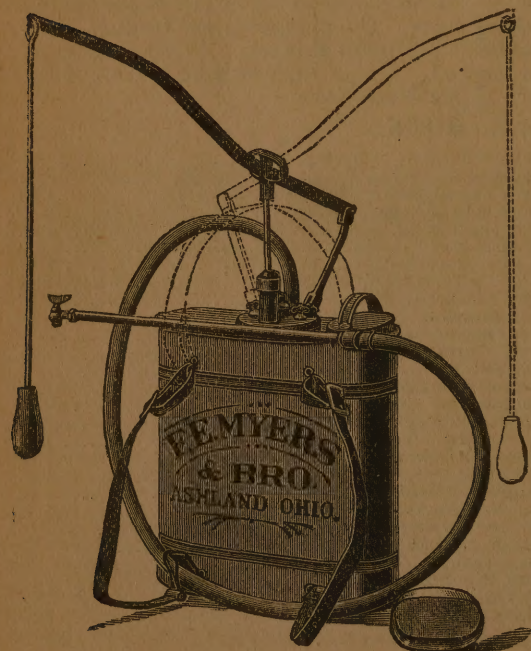
Same pump as above, only that tank is made entirely of copper and thus resists the action of strong compounds, \$10.00.

The Lightning Potato Eyecutter

does the work many times faster and is more accurate than the knife. It is gauged to cut enough flesh with each eye to strengthen and vitalize it and does the work in a scientific manner. No matter how small a crop you intend to plant you should use this cutter. It has been proved conclusively that potatoes cut to a single eye give the largest and best results. Directions how to plant potatoes cut to one eye, and valuable points in *Potato Culture*, by a practical potato grower, given with each cutter. Price, 30c by mail, postpaid.



No. 325.



No. 547.

The Spramotor is so favorably known in Canada, that we can only say we know of no better spraying machine. These machines were awarded the Government Spraying Contest, the Gold Medal at the Pan-American Exhibition, and the highest awards at Glasgow, Toronto, Ottawa and Halifax, and purchasers may be sure of getting the strictly high grade machines.

Prices for special outfits on application.

The Spramotor Combination to apply crude oil and water for the destruction of San Jose Scale, recommended by the Department of Agriculture, combining the liquids at the nozzle.

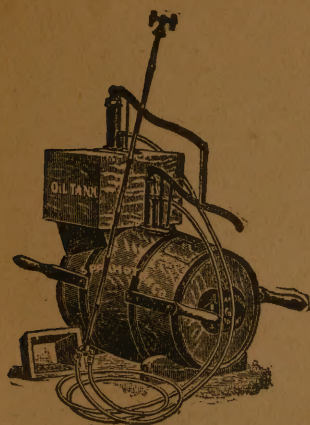
Outfit "A" o/o, for one nozzle, 10 feet double hose, complete as shown.....\$29 00

Outfit "B" 1/o, for two nozzles or one double line of 10 foot hose, complete as shown..... 35 00

Extra for two lines of hose, with two nozzles on each..... 10 50

Geo. E. Fisher, Chief Inspector, says this is the only reliable machine to apply oil and water to trees.

Spramotor Fruit Spraying Outfits.



Spramotor, Jr., No. 1.....	\$10 00
Spramotor, Jr., No. 2.....	13 00
Extra for All Brass.....	3 00
Spramotor, Jr., No. 1, with 10 feet hose and nozzles.....	12 00
Spramotor, Jr., Outfit 1-F, being Spramotor No. 1, with hand valve, 10 feet hose, iron rod, with drip guard, and 2-nozzle cluster.....	15 50
Same, if with bamboo extension pipe.....	17 00
Spramotor Outfit No. 2-E, being Spramotor No. 2, with hand valve, 10 feet hose, bamboo extension rod, with drip guard, and 2-nozzle cluster.....	20 00
Same, if with 3-nozzle cluster.....	21 10
Extra for barrel and screen.....	3 00



The Spramotor Painting Machine for the application of oil and water paints, and whitewashes. Will pass through any opening the size of the cask. Handy and warranted. Price complete, as shown, with 10 feet of hose, ready to work, on iron wheels, with No. 1 Spramotor, nozzle and screen.....\$22 00

Extra for All Brass..... 3 00

Extra for 2-nozzle cluster..... 1 25

Extra for No. 2 Spramotor, in place of No. 1..... 3 00

Extra for hose, per foot, net..... 10

Nothing about the spraying outfit is of such vital importance as the nozzles, which, if faulty, will not apply the spray in the proper way, nor save your crop. The greatest care is exercised with Spramotor Nozzles, and they are as near perfection as possible.

Nozzles.

Single Nozzle.....	\$0 75	3-Nozzle Cluster.....	\$2 85
Double Cluster.....	2 00	Y Connection.....	60

Stopcocks.

Plain.....	\$0 75	Patent Hand Valve.....	\$1 00
Drip Guards.....			40
Ten feet hose and couplings.....			1 00

Extension Rods.

Bamboo Extension Rod with Drip Guard.....	\$2 50
Iron Extension Rod.....	60

Row Sprayers.

2-Row Brass Sprayer.....	\$3 20
3- " " ".....	4 30
4- " " ".....	5 90
5- " " ".....	7 50

Spramotor Can Outfits, as Shown.

Spramotor No. 0, with 2½ feet hose and nozzle..\$ 7 25

Extra for heavy galvanized can..... 2 00

Same, if with bamboo extension pipe, hand valve and can..... 12 75

Spramotor Outfit G, as shown, for spraying fruit trees, with 10 feet hose, hand valve, extension pipe, with drip guard, without can.....\$10 00



The Spramotor Wheel Outfit.

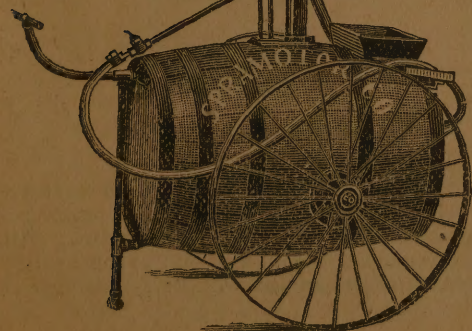
With No. 0 Spramotor fitted as illustrated, with 5 feet of hose, patent hand valve, 5 foot extension pipe, with patent drip guard and nozzle. Price complete.....\$17 00

Same, if with bamboo extension pipe, 8 or 10 feet..... 19 20

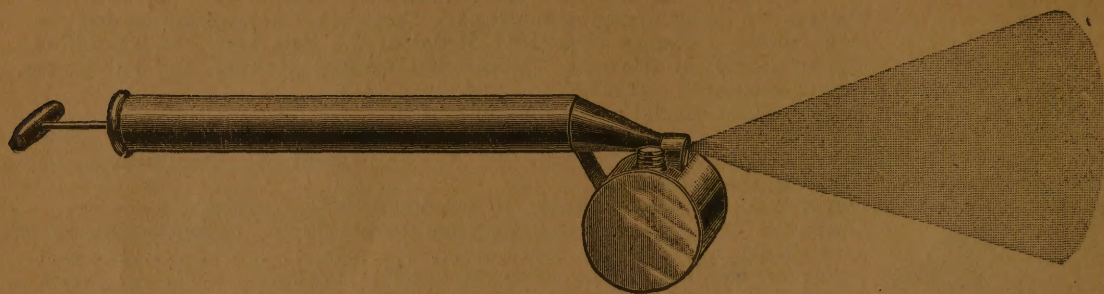
Same, if with all brass No. 0..... 19 00

Same, if fitted with No. 1 instead of No. 0..... 21 00

Same, with No. 1, all brass..... 24 00



The Faultless Sprayer.



Made in brass and tin; throws a spray as fine as mist. Adapted for the destroying of every kind of insect. It is economical, will not drip; and its shape is such that as it sprays up or down, all the liquid is pumped out, leaving but a spoonful in the can. It is absolutely the best constructed sprayer of its class ever offered to the trade. For strength and durability it has no equal. The tapering point to air chamber gives great force to the spray; carrying it to the greatest possible distance. This tapering tube also allows the air chamber to be fastened to the tank in the most substantial manner. The tube of air chamber is soldered to top of reservoir and also supported by a broad strap of metal passing over point of tube. The point of air chamber and small tube through which the liquid passes are thoroughly protected from damage in use or shipping. Piston rod is spring steel wire and cup leather plunger. *One-half tablespoonful of Paris Green and once filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes.* Price, Tin with Galvanized Tank, 65c.; postpaid, 90c.; All Brass, \$1.00; postpaid, \$1.25.

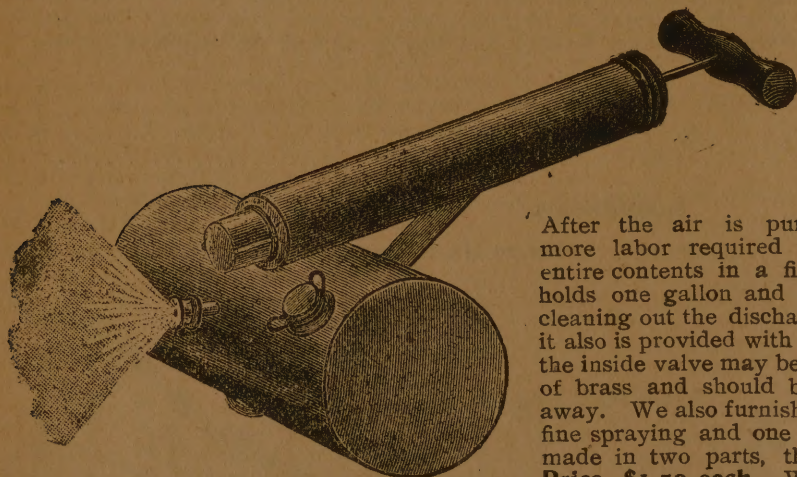
The Double Tube Lightning Sprayer.

This Sprayer has a detachable glass reservoir, the pattern of a Mason fruit jar, and any such will fit it. Its advantages are that you can see the ingredients mixing; that it will not corrode or rust out like metal, and owing to its shape the ingredients are kept churned up. The screw cap is made of heavy zinc, and the air chamber and jacket of reservoir made of heavy tin, painted bright red. Having two tubes make it double the capacity of other Sprayers, and at one operation it produces two sprays, covering a radius of 2½ feet. The reservoir filled with water and one teaspoonful of Paris Green is enough for 2,000 hills of potatoes. Price 85c. each. These Sprayers cannot go by mail. We can send safely by express, at purchaser's expense.

CAUTION.—Always see that the leather plunger is kept well oiled, and no wrinkles left in leather when placing same in air tube.

The Lightning Compressed Air Sprayer.

(Patented.)

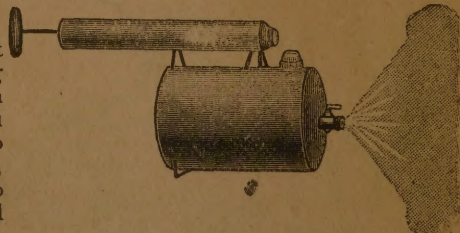


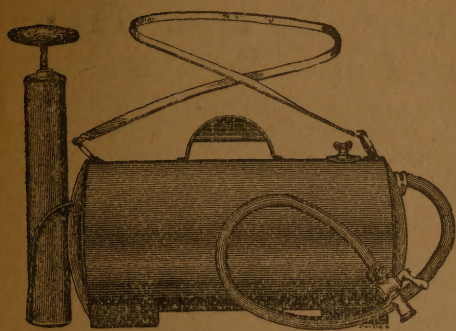
This Sprayer is made of tin, and is operated by Compressed Air.

After the air is pumped into the sprayer there is no more labor required to operate it; it will spray out the entire contents in a fine and mist-like spray. This sprayer holds one gallon and is provided with a clean-out hole for cleaning out the discharge pipe, if it should become clogged; it also is provided with a screw cap on the end of pump so that the inside valve may be gotten at with ease, this valve is made of brass and should be kept oiled, especially when putting away. We also furnish with this sprayer two nozzles, one for fine spraying and one for tree spraying. These nozzles are made in two parts, they may be taken apart and cleaned. Price, \$1.50 each. We can also furnish with this sprayer, when ordered, an extension hose and faucet, price 50c. each.

Utica Blizzard Spayer

Complete with special stop cock and nozzle. The handiest and easiest working Sprayer made. After filling three-fourths full and pumping in about ten strokes of air, a continuous mist like spray is thrown which will last many minutes. Potatoes, etc., can be sprayed as fast as you can walk, saving a large amount of time and labor. Removing the two pieces of nozzle a fine spread spray is thrown direct from the stop cock, which can be varied by a slight turn of the key to a coarse spray, 12 to 15 feet high, or a stream 15 to 20 feet high. It is made of galvanized iron; also with brass tank. It holds 1 gallon, is simple in construction, easy to work, easy to fill and handy to carry. It is light, strong and neat; a lady can use it. All mixtures should be strained. Reversing the key forces out any obstruction that may get into the stop cock, making it practically impossible to clog. Special directions for the use of each part on every sprayer. It does away with the hard labor attending constant pumping of small sprayers now on the market. And it is sold at a price that places it within the reach of all. See that cap is screwed on tight. Price with galvanized tank \$1.75 each; with brass tank \$2.50 each.



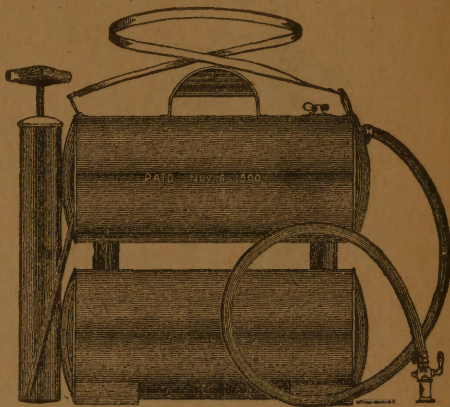


Single Tank Utica High Pressure Sprayer.

The simplest, strongest and best; easiest to keep in order, all latest improvements, brass check values and trimmings. It holds three gallons and will carry a continuous spray for ten minutes. Gives a splendid spray for all kinds of work. Is fitted with shoulder strap for carrying and also has a stop-cock and splendid nozzle.

Sprayer made of galvanized iron, \$4.00 each.

Sprayer made of copper, \$6.00 each.



Double Tank Utica High Pressure Sprayer.

Made with double cylinders of galvanized iron (is also made of copper), hence is capable of a very high pressure. It will throw a fine stream over the average fruit tree, and once charged it works continuously. It is light, though very strong, is perfect in mechanical appointments and perfect in execution. It holds four gallons, is fitted with shoulder straps, 30 inches of hose, special stop-cock and a splendid nozzle, suited to all kinds of work. Sprayer, made of sheet steel, \$4.75. Sprayer, made of 20 ounce copper, \$7.00 each.

Improved Brass Garden Syringes.

No. 1—Syringe, 16-inch barrel, each \$2.50. No. 2—Full size, 18-inch barrel, improved rose, each \$3.00. No. 3—Full size, Reed's 18-inch barrel, ball valve, each \$3.50. These syringes have improved side screws attached, and are the best English make.

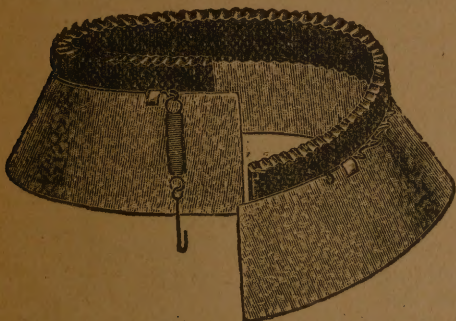
Best Canadian 18-inch Brass Syringe \$2.00. Improved Zinc Syringe, for Fruit Trees, 50c. each.

Sure Thing Fly Killer Oil.

The best compound for keeping flies off horses and cattle and killing lice on hens, cattle, etc. Was sold with big success last season, and is pronounced by the trade who handled it superior to any other. In 1 qt. tins, 25c.; in strong gallon tins, 75c.

The Expansive Tree Protector

Has recently been placed upon the market throughout the United States and Canada, and endorsed by the National Apple Shippers' Association of the United States.



It is a common sense device, for the protection of fruit, shade and ornamental trees, against all worms and insects which climb the tree. Common sense teaches us that insects climb the tree. Now, an insect exists in several stages—the egg—the larvæ (which consists either of a worm, caterpillar or slug, according to the species), and, finally, the moth, or flying insect. Common sense tells us that the egg cannot fly, neither can the larvæ, i. e. the worm, so that, if we destroy either, we shall have no flying insects, and the species cannot continue. The egg does no damage; neither does the flying insect, directly (with exceptions), but the damage sustained is from the ravages of the worm.

The Expansive Tree Protector consists of a felt pad riveted to a copper covered steel wire with a coil spring in the circumference to which is attached a galvanized iron apron. The cut on this page gives an adequate idea of its construction. The device is hooked around the trunk of the tree at some convenient or suitable place, and when once properly adjusted forms a dead line on the tree against all worms or insects which go up the tree from the earth, and which destroy the fruit and foliage. It is cheaper than anything else you can use. If one of our Protectors costs, say 25c., and lasts from six to ten years, the cost to you will not exceed 5c. a year to protect a tree, including poison and all. All other bands have to be removed once in two weeks, and all worms killed. The Expansive Tree Protector does its own killing, and you attend to your other work. It is not removed from the tree. Half a bushel of fruit, to a tree, will protect your orchard for more than five years with our Protector. You are wasting your money by not using it. The extra quality and quantity of fruit you will raise the first year will pay your entire expenses for several years.

Price List.

Nine inches to 1 foot, per 100, \$15.00; 1 to 2 feet, \$20.00; 2 to 3 feet, \$25.00; 3 to 4 feet, \$30.00; 4 to 5 feet, \$35.00; 5 to 6 feet, \$40.00.

Sufficient insecticide will be furnished with each shipment to thoroughly saturate bands. To be accurate in ordering right size, ascertain the exact circumference of the tree, add six inches for expansion, and select next largest size. We will not be responsible for mistakes in measurement.

No. 1 Paris Green.

We hear a great many complaints about this article, which is largely used, and it should be A1 for spraying and kindred uses. We have have received a stock of the very best we can procure, which we offer as follows: In bulk 25c. per lb., in $\frac{1}{4}$ lb. pkgs. 25c. each, in 1 lb. pkgs. 35c. each. If required by mail add 20c. per lb. for postage.

The Little Giant Geared Hand Broadcast Seed Sower.

The greatest labor-saving invention of the age. The strongest, prettiest, lightest, and easiest running Seeder made. The agitator or force feed is of great advantage. It also has, among other advantages, a pressed tin distributing wheel, hand hold on the side, and no feed plate to carry. They will pay for themselves many times in one season. Satisfaction guaranteed. It will distribute all kinds of Fertilizer, Land plaster or Ashes. Flax and Clover Seed 36 feet to the round; Wheat 50 feet the round; Buckwheat 46 feet to the round; Barley 40 feet to the round; Timothy Seed 27 feet to the round; Oats 36 feet to the round. Price, \$1.75.

We highly recommend this Seeder, and have many letters testifying to their great usefulness.

The cheapest way to send these is by Express, which costs 25 to 50c to most places. To out-of-the-way places we can mail them for \$2.50 each, postage paid.

**LANG'S
HAND
WEEDER**

**HANDIEST
TOOL**

ON EARTH.

**30¢
BY MAIL
PREPAID**

Moth Catcher—Death to Pests.

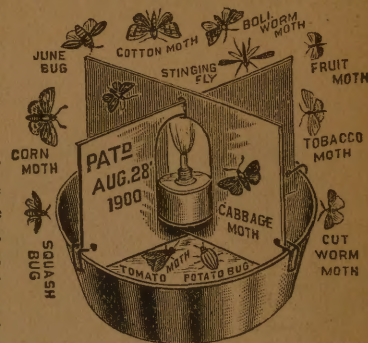
("It Works While You Sleep.")

DIRECTIONS—Put reflectors over the tub or pan. Bend the hooks at outer edges over the rim of the tub or pan. Set the tub or pan on a box, bench or post two or more feet high, in an open place, so the light can shine out in all directions. Fill the tub or pan nearly full of water close to the bottom of the reflector. Put a quarter of a pint of coal oil on the surface of the water enough to spread over the top of the water. Fill the torch three-fourths full of coal oil or kerosene, best quality. Light the torch at sunset. Use one Moth Catcher to the acre.

Will always burn when moths can fly. Wind will not extinguish torch if wick is high. Rub the reflectors with a cloth wet in coal oil and it will keep them bright and prevent rust. The Moths and Beetles see the light of the torch, which by the reflectors is increased eight times. There is no heat in the reflection, so the insects strike the reflectors and fall, and are killed in the coal oil or kerosene on the surface of the water below. The reflectors also prevent the insects from circling the light.

Protects orchard, garden and farm, kills the mother of the Apple and Pear Worm, the Codling Moth; also the Stinging insect that stings the fruit; the Tent Caterpillar and the Borer Beetle, which makes the worms that girdles the trees and kills the orchard; also catches the Peach and Plum Beetle that makes the Curculio, the June Bug, Colorado Beetles, Potato Bug and other noxious insects. It is cheaper and better than spraying. No fruit grower, farmer or gardener can afford to be without it. This Moth Catcher destroys the Moth that injures the Honey and Bees, so that anyone who desires can keep an Apiary with this trap. This trap kills all the pests. No one raising Fruit, Apples, Pears, Peaches, Plums, etc., or Tomatoes, Tobacco, Sweet Corn, Cabbage, Cucumbers, Squashes, Pumpkins, Melons, Cotton and Bees, can afford to be without this great device to make perfect fruit crops, etc. The price is put so low all can use it—only 85 cents small size, and \$1.00 for large size. Torch and all, ready to set on tub or tin dish. The Moth Catcher not only attracts the insects, but the reflectors cause them to fall into the coal oil or kerosene in the pan on the surface of the water below, which kills them.

1. The reflectors prevent the insects from circling the light.
2. The reflectors are cold. Therefore the insects, like the Codling Moth, that dodge the flame after feeling the heat, is caught in my trap.
3. During the mating season or pairing season the insect which sees its reflection in the bright tin is lured to its destruction.
4. The reflectors save $\frac{7}{8}$ of the coal oil or kerosene by multiplying the light eight times.



**S.A. HASELTINE'S
MOTH CATCHER**

The Auto-Spray.

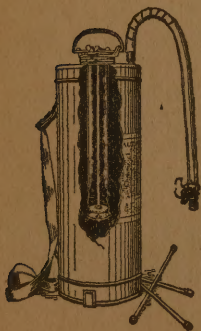
A self-operating or automatic sprayer. You hold the hose, the machine does the work. The climax of all Sprayers; combines every conceivable point of excellence, including economy, durability, low price and ease in carrying and operating.

DIRECTIONS.—The above cut shows the air chamber and reservoir combined. Fill the reservoir not more than two-thirds full with the solution ready for spraying, insert the air pump at the end of the can, and all is ready for the operation. The sprayer being carried by the shoulder strap leaves both hands of the person operating nothing to do but direct the spray. The spray can be made to flow faster or slower by merely turning the cock of the spraying nozzle, and will throw either a cloud-like shower or a solid stream.

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous stream for nine minutes. This means that the Sprayer can be charged in fifteen seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes. Weighs, empty, 7 lbs.; loaded, 39 lbs.; capacity, about 4 gallons.

Prices—"Auto-Spray," galvanized steel tank, \$5.50; with brass tank, \$7.00.

Extras—Extension pipes, 2 ft. lengths, galvanized steel, brass ends, 40c.; solid brass, 50c.



GARDEN REQUISITES AND FLORISTS' SUPPLIES.

	EACH.		EACH.
Aphis Punk, for fumigating, per box	\$0 90	Line, Garden	\$0 25 to 50
Aphicides	50	Lawn Vases	75 to \$3 50
Asparagus Bunche s	1 50	Labels, Tree, with wire, per 100	20
Atomizers and Sprinklers	50	Moss—Dried, Green, Yellow, or Red	
Bouquet Papers, 4 to 5 inch	\$0 45 to 65	—per bunch	15
Button-hole Tubes	5	Pampas Plumes, red, white and blue	15 to 20
Bellows, for dusting plants, shrubs	1 50	Plant Stakes, cane, per 100	1 00
Baskets, Berry, per 1,000	3 50	Pot Covers, Fancy Paper	10 to 25
" Plant, per 1,000	6 50	" Lattice	10
" Fruit, 11 qt., per 100	3 50	Pots, Watering	50 to 1 50
" 24 qt. crates, per doz	1 50	Pencils, Weatherproof	10
" Pickers, per doz	1 00	Plows	2 50 to 10 00
" Wire hanging	25 to 1 00	Rakes, Best Cast Steel	50 to 1 00
Chenille, per 12 yards	50	" English Lawn	1 50 to 2 00
Cape Flowers, per bunch, wired	20	Reels, for Garden	75
Corn Planters	1 00	Rustic Chairs	1 00
Doves for Florists	1 50	" Vases	75
Flower Pots and Saucers, 2 to 12 inch	3 to 45	" Sofas	1 50
" " fancy 5 to 8 in	15 to 1 00	Rollers, Garden	10 00 to 15 00
" " Japanese ware, 7 to 12 in	1 00 to 3 00	Saws, Pruning	1 00 to 1 50
" Hanging	15 to 50	Scythes, Patent English, 36 to 42 in.	1 25 to 1 50
Fern Pots, 6 to 10 inch	10 to 20	Scythes Stones	10 to 20
Florists' Companions	75	Shovels	50 to 1 00
Forks, Potato and Manure	1 00 to 1 50	Spades, English, Parke's	1 50
Grass Catchers	1 00	Spuds, for Thistles, etc.	30 to 75
Grafting Wax, French, per tin	25 to 50	Sphagnum Moss, per bale	2 00
" " American, per lb.	30	Scissors, Flower Gatherers	50
Glaziers' Points, Van Reyepers per 1000	75	" Grape Thinners	75
Grass, China, for tying, per lb.	30	" Pruners	1 00 to 2 50
" Roffea	25	Shears, Hedge	75 to 2 00
Hooks, Brier and Bill	1 00 to 1 50	" Grass, Edging	50 to 2 00
Hoes, Garden	50 to 75	" Pruning	1 50 to 2 50
" Dutch or Scuffle, 4 to 8 inch	35 to 50	Tobacco Stems, per 100 lbs.	1 50
Irons, Edging	1 25	Tooth Picks, Florists' per box	15
Immortelles, purple, red, white, bunch	40 to 50	Trowels, English	25 to 50
Jardiniers	25 to 1 75	" American	15
Knives, Pruning and Budding	75 to 1 25	Twine, per lb.	25 to 50
Labels, Plain, 4½ inch, per 100	15	Triers, for drawing samples	1 25
Labels, Painted, 4½ inch, per 100	20	Wreaths, Metal or Dried Flower	1 50

Plastica, for glazing greenhouses, 2 qt. tin, \$1.00; 4 qt. tin, \$1.75; machine for applying same, \$1.75 each.

FLORAL DESIGNS.

	EACH.		EACH.
Anchors, 8 to 30 in.	\$0 10 to \$0 70	Maltese Cross, 8 to 20 in.	\$0 10 to \$0 40
Anchor and Cross, 12 to 24 in.	18 to 35	Oddfellows' Links, 18 to 24 in.	35 to 60
Broken Column, 12 to 36 in.	25 to 90	Pillows, Single, 10 to 30 in.	15 to 60
Broken Links, 12 to 16 in.	25 to 50	Pillows, Double, 8 to 24 in.	39 to 1 00
Crosses, 8 to 30 in.	03 to 24	Pyramids, 12 to 24 in.	20 to 45
Crowns, 7 to 14 in.	25 to 60	Shields, 12 to 21 in.	20 to 30
Faith, Hope, Charity, 20 to 30 in.	70 to 1 20	Sickles 12 to 20 in.	12 to 24
Gates Ajar, 18 to 24 inch.	1 10 to 1 60	Stars, 7 to 18 in.	07 to 20
Harps, 14 to 24 in.	35 to 75	Square and Compass, 14 to 24 inches.	35 to 85
Hearts, 8 to 16 in.	10 to 25	Triangles, 12 to 21 in.	15 to 50
Horseshoes, 6 to 16 in.	07 to 25	Wreaths, 6 to 24 in.	03 to 25

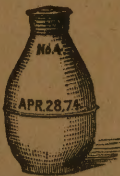
Other Designs Supplied. Catalogue on Application.

Cocoanut Fibre. Unequalled for seed beds, mulching, etc. Per bag, \$1.00

Tinfoil. (Subject to change). Five inch wide, per lb., 25c; 10 lb. lots, 20c per lb.

Wire, Annealed. No. 24, 15c. per lb.; No. 26, 20c per lb.; No. 28, 20c per lb.; No. 30, 25c. per lb.; No. 36, 35c. per lb.

Insect Powder Bulb for Spraying Powder on plants, etc.
A very handy article; \$1.10



Rubber Putty Bulb. No. 1, \$1.10. No. 2, 90c. No. 3, 75c. No. 4, 60c. No. 1 Angle, \$1.10. No. 2, \$1.00

RUBBER PUTTY BULB, PRICE \$1.10

Excellent for glazing. A pressure with the hand ejects the putty along the sash bars; makes a tight and neat joint; does not daub the glass or stick to the hands.

SCOLLAY'S RUBBER PLANT SPRINKLERS.

Indispensable for floral work and Window Gardening, and very useful for dampening clothes or sprinkling in any way.

If Putty Bulbs, Powder Bulbs, or Sprinklers are wanted by mail, add 10c. Postage on Each.

ALPHABETICAL INDEX

VEGETABLE SEEDS.

	PAGE.
Artichoke.....	5
Asparagus.....	5
Beans.....	5-6
Beet.....	2 and 7
Borecole.....	7
Broccoli.....	7
Brussels Sprouts.....	6
Cabbage.....	2 and 7-9
Carrot.....	10
Cauliflower.....	3 and 9-10
Celery.....	3 and 11-12
Chervil, Curled.....	13
Chicory.....	13
Corn Sweet.....	2 and 12-13
Corn, Salad.....	13
Cress.....	13
Cucumber.....	2 and 13-14
Egg Plant.....	14
Endive.....	14
Garlic.....	14
Herbs.....	27
Kohl-Rabi.....	14
Leek.....	15
Lettuce.....	3 and 15
Melon, Musk.....	3 and 15-16
Melon, Water.....	16-17
Mushroom.....	17
Mustard.....	17
Novelties.....	2-4
Okra.....	19
Onion Seed.....	18-19
Onion Sets.....	19
Parley.....	19
Parsnip.....	19
Peas.....	3 and 20-21
Pepper.....	21
Potatoes.....	21
Pumpkin.....	22
Radish.....	22-23
Rhubarb.....	23
Salsify.....	24
Spinage.....	24
Sea Kale.....	23
Squash.....	24-25
Tomato.....	4 and 25-26
Turnip, Garden.....	26

FIELD, CLOVER, GRASS AND TREE SEEDS, ETC.

	PAGE.
Bags, Cotton.....	37
Barley.....	33
Beans, Field.....	33
Beans, Soy or Soja.....	37
Beet, Sugar.....	37
Broom Corn.....	33
Bird Seeds, Etc.....	27
Buckwheat.....	33
Carrot, Field.....	28-29
Clovers.....	34
Corn, Field and Fodder.....	33-34
Flax and Flax Seed Meal.....	37
Fruit Seeds.....	37
Grass Seeds.....	35-36
Grass Mixtures.....	35
Grass, Lawn.....	35
Hedge Seeds.....	37
Kale, Thousand Headed.....	32
Lentils.....	37
Mangel.....	20-30
Millets.....	35
Oats.....	37
Oil Cake.....	37
Pasture Mixtures.....	35
Peas, Field.....	36
Peas, Cow.....	36
Rape, Sowing.....	32
Rye.....	37
Spelts.....	37
Sugar Cane.....	37
Sunflower.....	37
Tares or Vetches.....	37
Tobacco Seed.....	37
Tree Seeds.....	27

	PAGE.
Turnip, Swede.....	30-31
Turnip Varieties.....	32
Wheat, Fall.....	37
Wheat, Spring.....	37
Wild Rice.....	37

FLOWER SEEDS

	PAGE.
Abronia.....	42
Abutilon.....	42
Aconitum (Monkshood).....	42
Ac oclinium.....	42
Adonis.....	42
Ageratum.....	40 and 42
Agrostemma.....	42
Alyssum.....	42
Amaranthus.....	42
Anagallis (Pimpernel).....	43
Ampelopsis (Japan Ivy).....	43
Antirrhinum (Snapdragon).....	43
Aquilegia (Columbine).....	43
Arctotis.....	41
Asparagus (Ornamental).....	43
Asters.....	40 and 43-45
Auricula.....	43
Balsam.....	45
Balloon Vine.....	46
Bartonia.....	46
Begonia.....	46
Bellis (Daisy).....	50
Brachycome (S. River Daisy).....	46
Browallia.....	46
Cacalia (Tassel Flower).....	46
Calandrinia.....	46
Calceolaria.....	46
Calendula (Pot Marigold).....	46
Calliopsis (Coreopsis).....	46
Campanula.....	46
Canary Bird Flower.....	47
Candytuft.....	47
Canna.....	47
Canterbury Bell.....	47
Carnation.....	47
Castor Oil Beans (Ricinus).....	47
Catchfly (Silene).....	48
Celosia (Cockscomb).....	49
Centaurea.....	48
Chelone.....	48
Chinese Primrose.....	61
Chrysanthemum.....	48
Cineraria.....	48
Clarkia.....	49
Clematis.....	49
Climbing Hop (Humulus).....	53
Clinanthus.....	49
Clintonia.....	49
Collections Flower Seeds.....	38
Coleca.....	49
Cockscomb (Celosia).....	49
Coleus.....	49
Colinsia.....	49
Columbine (Aquilegia).....	43
Convolvulus.....	49
Cordylone (Dracena).....	49
Corn Flower (Centaurea).....	49
Cosmos.....	50
Cowslip.....	50
Cucumis or Cucumber.....	50
Cyclamen.....	39, 41 and 50
Cypress Vine.....	50
Cyperus (Umbrella Plant).....	50
Dahlia.....	50
Daisy.....	46-48 and 50
Daisies, Burbanks Shasta.....	41
Datura (Trumpet Flower).....	50
Delphinium (Larkspur).....	54
Dianthus (Pinks).....	51 and 67
Digitalis (Foxglove).....	52
Discount on Flower Seeds.....	42
Directions re Flower Seeds.....	38
Dolichos (Hyacinth Bean).....	51
Dracaena (Cordylone).....	49
Dusty Miller (Cineraria).....	49
Eccremocarpus.....	51
Echinocystis (Cucumber).....	50
Erysimum.....	51

	PAGE.
Eschscholtzia (Cal. Poppy).....	51
Eutocia.....	51
Everlasting Flowers.....	53, 62, 67
Everlasting Peas.....	52
Ferns.....	52
Feverfew (Matricaria).....	52
Flax, Flowering (Linum).....	54
Forget-Me-Not (Myosotis).....	52
Foxglove (Digitalis).....	52
Freezia.....	52
Fuchsia.....	52
Gaillardia.....	40 and 52
Geranium.....	52
Gilia.....	52
Globe Amaranth (Gomphrena).....	52
Gloxinia.....	52
Godetia.....	53
Golden Feather (Pyrethrum).....	60
Gourds (Ornamental).....	53
Grevillea (Tree Fern).....	52
Gypsophila.....	52
Hedysarum (Honeysuckle).....	53
Helianthus (Sunflower).....	53
Helichrysum (Everlasting).....	53
Heliotrope.....	53
Helipterum.....	53
Hibiscus.....	53
Hollyhocks.....	53
Humea.....	53
Hunnemania.....	41 and 53
Humulus or Hop.....	53
Hyacinth Bean (Dolichos).....	51
Ice Plant.....	53
Impatiens.....	53
Incarvillea.....	41
Ipomea.....	50 and 55
Ivy (Ampelopsis).....	43
Jacobea (Senecio).....	54
Kenilworth Ivy (Linaria).....	54
Larkspur (Delphinium).....	54
Lantana.....	54
Lathyrus (Everlasting Pea).....	52
Lily of Valley (Convallaria).....	54
Linum (Flowering Flax).....	54
Li-anthus (Russellianus).....	54
Lobelia.....	54
Lophospermum Scandens.....	54
Lychnis.....	55
Malope.....	55
Martynia.....	55
Marvel of Peru (Mirabilis).....	56
Maurandia.....	56
Marigold.....	46 and 55
Marguerites (Chrysanthemum).....	48
Mathiola (Night Scented Stock).....	55
Matricaria (Feverfew).....	55
Mignonette.....	55
Mimosa (Sensitive Plant).....	62
Mimulus (Musk).....	56
Morning Glory.....	56
Moonflower (Ipomea).....	56
Monkshood (Aconitum).....	42
Musa (Banana Tree).....	56
Myosotis (Forget-Me-Not).....	52
Nasturtium.....	41 and 57-58
Nemophila.....	56
Nicotiana (Orn Tobacco).....	57
Nigella (Love in a Mist).....	57
Nolana.....	56
Novelties in Flower Seeds.....	39-41
Oenothera (Eveg Primrose).....	59
Ornamental Grasses.....	68
Oxalis.....	58
Pansy.....	39 and 58-59
Perilla.....	58
Pentstemons.....	58
Petunia.....	40 and 59
Phlox.....	60
Portulaca.....	61
Primula (Chinese Primrose).....	61
Primrose Japonica.....	61
Primula Obconica.....	39 and 61
Primula Forbesi.....	61
Primrose, English.....	61

	PAGE.
Primrose, Evening.....	58
Pinks.....	60
Primrose, Polyanthus.....	61
Poppy.....	51 and 60
Pyrethrum.....	60
Rhodanthe (Everlasting).....	62
Ricinus.....	62
Rocket, Sweet.....	62
Rosa (Liliput Roses).....	62
Salpiglossis.....	62
Salvia (Flowering Sage).....	39 & 62
Saponaria.....	62
Scabiosa (Sweet Scabious).....	62
Sensitive Plant (Mimosa).....	62
Smilax.....	62
Snapdragon (Antirrhinum).....	62
Stevia.....	63
Stocks.....	55 and 62-63 and 67
Streptocarpus.....	59 and 63
Sunflower (Helianthus).....	63
Sweet Alyssum.....	67
Sweet Peas.....	40 and 64-66
Sweet Sultan (Centaurea).....	48
Sweet William (Dianthus).....	67
Tassel Flower (Cacalia).....	46
Thunbergia.....	67
Torenia.....	67
Tobacco, Ornamental.....	57
Trumpet Flower (Datura).....	50
Umbrella Plant (Cyperus).....	50
Verlierian.....	67
Verbena.....	67
Violet, Sweet.....	67
Virginian Stock.....	67
Wallflower.....	68
Wild Cucumber.....	50
Wild Flower Mixture.....	67
Xeranthemum (Everlasting).....	67
Zinnias.....	68

Miscellaneous.

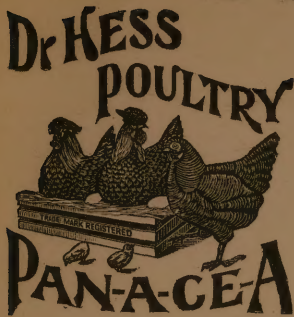
	PAGE.
Books, Agricultural.....	81
Bulbs, Spring Flowering.....	65-70
Conditions of Sale.....	5
Cultivators, Hand, Horse.....	76-79
Dahlias.....	68
Floral Wire Designs.....	87
Freight Rates.....	1
Florists' Supplies.....	87
Fertilizers.....	74-75
Fly Killer Oil.....	85
Gladiolus.....	69
Garden Tools.....	87
Grass Edger.....	81
Harrow, Planet Jr.....	79
Hoes, Horse and Hand.....	76-79
Horticultural Ware.....	87
Implements.....	75-88
Insecticides.....	74-75 and 85
Lawn Mowers.....	80-81
Lawn Sprinkler.....	81
Mills, Grinding.....	75
Moth Catcher.....	86
Ordering Seeds.....	1
Plants.....	70-73
Plows.....	76-79
Potato Eye Cutters.....	82
Postage on Seeds.....	5
Poultry Supplies.....	81 and 89
Pulverizer, Planet Jr.....	79
Rakes.....	76-79
Remitting Money.....	1
Seed Drills.....	76-78
Seeders, Hand.....	86
Sieves.....	75
Silkline.....	75
Spray Pumps.....	82-86
Sprayers, Hand.....	84-86
Suggestions to Customers.....	1
Syringes.....	85
Sprinklers, Plant.....	82-87
Terms.....	1
Thermometers.....	75
Tree Protector.....	85
Weeders, Hand.....	76 and 86
Weed Killer.....	75

The following Catalogues are published during the year, and will be mailed free to Applicants.

- No. 1—Illustrated Seed Catalogue, published 1st January; a descriptive list of Agricultural, Vegetable and Flower Seeds, Culinary Roots, Garden Implements, Spring Flowering Bulbs, etc.
- No. 2—Market Gardeners' and Florists' Special Price List, published 15th January.
- No. 3—Annual Fall Wheat Circular, published 15th August.
- No. 4—Bulb Catalogue, published Sept. 1st, containing a choice collection of Double and Single Hyacinths, Tulips, Polyanthus Narcissus, Crocus, Snowdrops, Crown Imperials, Lilies, etc.

PLANTS AND SEEDS CAREFULLY PACKED FOR ALL CLIMATES.

POULTRY SUPPLIES



DR. HESS' POULTRY PAN-A-CE-A.

Makes hens lay, prevents all diseases and cures roup, cholera, gapes, leg weakness, etc. For chickens, turkeys, ducks and geese, something every poultry man needs, to have success in the business. It promotes the general good health of the fowl, greatly quickens digestion, and being a tonic, works all the various organs like a piece of machinery. Use Pan-a-ce-a and make your hens lay when eggs are a high price. It is very valuable for young chickens when they are growing.

Price, 24 oz. package, 35c., post-paid, 60c. ; 5 lb. package, 85c. here.

DR. HESS' STOCK FOOD.

The best food for horses, cattle, hogs and sheep; thoroughly reliable, and guaranteed to give satisfaction. Price, 7 lb. package, 65c. ; 12 lb. package, \$1 here.

PRATT'S POULTRY FOOD.

A necessity for all who keep poultry; a preventative as well as a sure cure for all poultry diseases and a guaranteed egg producer. Makes larger fowls and quickens the growth of young chicks. 8 oz. pkg. 10c. post-paid, 20c. ; 26 oz. pkg. 30c., postpaid 60c. ; 5 lb. pkg. 75c. here.

WESTERN POULTRY FOOD.

A splendid preparation for turkeys, geese, ducks, chickens and pheasants. A splendid invigorator and egg producer; also good for fattening poultry for market. 26 oz. pkg. 25c., postpaid 55c.

PRATT'S ANIMAL REGULATOR.

(Highly Concentrated)—Cures hog cholera, makes pigs grow quickly, dairy cows produce more butter and milk, stops slinking of calves, and makes them healthy and regulates horses. 21 oz. pkg. 30c., postpaid 55c. ; 42 oz. pkg. 60c. here ; 72 oz. pkg. 90c. here.

DR. HESS' LOUSE KILLER.

Kill lice, ticks, fleas, moths, ants, and all kinds of vermin. Probably no single enemy is so universal among stock and poultry as lice. It is not a poison, but lasting, effectual, convenient to use, and the cheapest article that can be had. It is put up in round cans with perforated lids, ready for use. As a deodorizer and disinfectant it is entirely reliable for poultry houses, stables, pigeon lofts, pig pens, sheep stables, sinks, water closets, vaults, cess-pools, garbage boxes, kennels, etc. It serves as an absolute preventative of diseases, and will speedily destroy all parasites that inhabit such places. It is especially adapted for the destruction of sheep ticks, a powder and easy to apply, overcoming the great disadvantage of dipping, and can be applied in cold weather when the wool is long and the ticks are most numerous. Price, 16 oz. package, 35c., postpaid, 50c.



GRANULATED POULTRY BONE.

A little larger than wheat, and can be fed like any other food in grain, about one handful to every five fowls daily, or every other day. In either manner it furnishes a valuable food for poultry at all seasons of the year. 8 lbs. 25c. ; 100 lb. bag, \$2 here.

CRUSHED OYSTER SHELLS.

(Peerless Brand.)—All breeders of poultry recognize the fact that a grit of some kind is a necessity. Even where the fowls range, strength and plumpness are gained by providing them with Crushed Oyster Shells. The most frequent cause of the hens not laying is the absence in the food of Carbonate of Lime. As it is practically pure Carbonate of Lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Stone, lime, gravel, grits, in fact, nothing of a mineral character will equal it in beneficial results. 5 lbs. 10c. ; 25 lbs. 25c. ; bag of 100 lbs. 65c. here.

MICA CRYSTAL GRIT.

One of the principal reasons why so many do not have success in raising poultry is that the poultry cannot obtain sufficient grit to enable them to masticate their food in a proper manner, and strange to say, this is greatly neglected by a great many. It is necessary to feed some gritty material. 5 lb. 10c. ; 25 lb. 25c. ; 100 lb. bag 70c.

DR. HESS' HEALING POWDER.

Cures galls, scratches, grease-heel, cuts, ulcers, burns, thrush, foul in the foot, indolent sores and open wounds of every description. It prevents excessive granulation, commonly known as Proud Flesh. It is also a reliable antiseptic. Flies will not attack wounds treated with this powder. 4 oz. tin 25c. postpaid, 30c.

BLOOD MEAL

5 lbs. 25c. ; 100 lb. bag, \$3 here

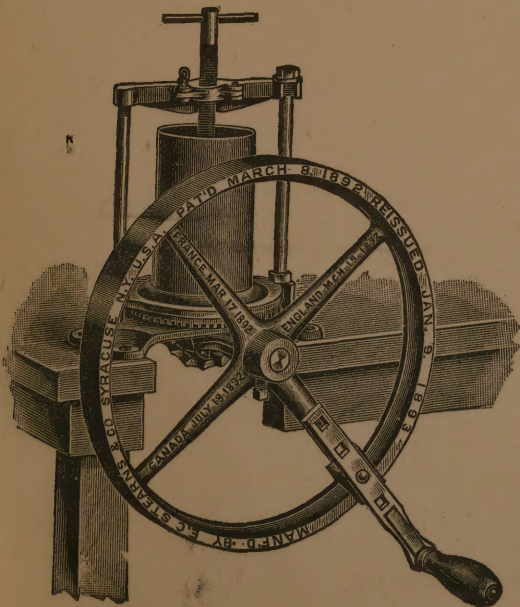
MEAT MEAL.

7 lbs. 25c. 100 lb. bag, \$2.25 here

GREEN BONE, MEAT AND VEGETABLE CUTTERS.

The famous Webster and Hannum make; the only make to receive the World's Fair Medal—the only machine having a truly automatic feed.

No. 3, with fly wheel, on stand, weight 260 lbs.....	\$40 00
No. 6, " " " " 135 lbs.....	18 00
No. 6, " " for bench, "	15 00
No. 2, " " " " 56 lbs.....	15 00
No. 4, " " " " 46 lbs.....	9 00
No. 4, " crank, " " 26 lbs.....	6 50
Grit and Shell Crusher, " 55 lbs.....	6 50
Clover Cutter.....	4 00



JOHN A.
BRUCE
& Co's.

1903

CATALOGUE
OF
SEEDS



1 BRUCE'S SELECTED PARIS GOLDEN YELLOW CELERY
2 BRUCE'S NEW NIAGARA TOMATO
3 BRUCE'S SELECTED DWARF ERFURT CAULIFLOWER